CONSTRUCTION NEWS

Some of the Week's Large Projects

AMONG the announcements for the current week are the following:

Proposed Work

Reservoir, Toronto, Ont., purchased site and plans 50,000,000 gal. reservoir, $14,000,000.

Plant and residences, Hopewell, Va., Allied Chemical & Dye Corp., purchased site and plans plant, $5,000,000.

Hotel, Toronto, Ont., Canadian Pacific R.R. Co. plans 1,000 room hotel, $5,000,000.

Roads, Arkansas, State Hy. Dept. making plans, $5,000,000.

Dam, Texas, Mikesha Water Impvt. Dist., having preliminary surveys made, $5,000,000.

Sewerage system, Waterbury, Conn., takes bids about Mar. 1, $5,000,000.

Twin tunnel, Montreal, Que., City Eng. Dept. made plans, $4,000,000.

Electric and ice plants, San Benito, Tex., Valley Electric & Ice Co. plans new construction and altering, $3,000,000.

Canning and packing plants, Texas, Texas Food Packers plans chain canning and packing plants, $3,000,000.

Hotel, St. Louis, Mo., Jefferson Hotel Co. having revised plans prepared, $2,500,000.

Paving, Miami, Fla., making plans, $2,018,000.

Sewers, Miami, Fla., making plans, to exceed $2,000,000.

Hotel club, New York, N. Y., Kanter Realty Co. making plans, $2,000,000.

Waterworks, Tacoma, Wash., making plans, $2,000,000.

Power plant, Vienna, Md., Eastern Shore Gas & Electric Co. plans turbine station, $2,000,000.

Hotel, Chicago, Ill., Plote & Grosby having plans prepared, $2,000,000.

Bridge, Phila., Pa., Dept. Pub. Wks. making plans, $1,750,000.

Bids Desired

Paving, Ontario, Mar. 7 by Dept. Pub. Highways, Toronto, $3,000,000.

Theatre, store and apartment, Chicago, Ill., Z. E. Smith, archt. taking bids, $1,000,000.

Contracts

Office, Tulsa, Okla., Waite Phillips to Long Constr. Co., $2,500,000.

Hotel, Amarillo, Tex., A. Davidson to Hughes-O'Rourke Constr. Co., $2,000,000.

Store, San Francisco, Calif., O'Connor-Moffatt Co. to Dinwiddie Constr. Co., $1,750,000.

Street widening, New York, N. Y., New York Central R.R. Co. to James Stewart & Co., $1,500,000.

Courthouse, Hartford, Conn., Hartford Co. to E. J. Pinney, Inc., $1,475,450.

Filtration plant, Waukegan, Ill., City Council to G. A. Green and others, $1,197,200.

Classified Index of Bids Wanted

Waterworks

Bids close — *See Eng. News-Record*

Feb. 18 Brooklyn, N. Y. ..... Feb. 10
Feb. 18 Long Island City, N. Y. ..... Feb. 10
Feb. 19 Blawnox, Pa. ..... Feb. 17
Feb. 21 Albany, N. Y. ..... Feb. 17
Feb. 21 Kingsville, Ont. ..... Feb. 17
Feb. 22 Vancouver, B. C. ..... Feb. 17
Feb. 23 Florham Park, N. J. ..... Feb. 17
Adv. Feb. 10 and 17.
Feb. 23 Saluda, N. C. ..... Feb. 17
Feb. 23 Baltimore, Md. ..... Feb. 17
Feb. 24 Anaheim, Calif. ..... Feb. 17
Feb. 24 Akron, N. Y. ..... Feb. 17
Adv. Feb. 10 and 17.
Feb. 24 New York, N. Y. ..... Feb. 17
Mar. 7 Kinston, N. C. ..... Feb. 17
Mar. 8 Hagerstown, Md. ..... Feb. 17
Adv. Feb. 17.
Mar. 8 High Point, N. C. ..... Feb. 17
Adv. Feb. 17.
Mar. 15 Red Wing, Minn. ..... Feb. 17

Sewers

Feb. 18 New York, N. Y. ..... Feb. 10
Feb. 21 Huntington, Tenn. ..... Jan. 27
Feb. 21 Fort Lauderdale, Fla. ..... Feb. 3
Feb. 23 Cleveland, O. ..... Feb. 17
Feb. 23 Grand Rapids, Mich. ..... Feb. 17
Feb. 23 St. George, N. Y. ..... Feb. 17
Feb. 24 Jasper, Ind. ..... Feb. 17
Adv. Feb. 17.
Feb. 24 Mamaroneck, N. Y. ..... Feb. 17
Adv. Feb. 10 and 17.
Feb. 25 Wash., D. C. ..... Feb. 17
Feb. 25 Milwaukee, Wis. ..... Feb. 17
Feb. 28 Spring Lake, N. J. ..... Feb. 17
Adv. Feb. 17.
Mar. 1 Hunter, N. Y. ..... Feb. 10
Adv. Feb. 3 to 10.
Mar. 2 Savannah, Ga. ..... Feb. 17
Adv. Feb. 17.
Mar. 3 Akron, O. ..... Feb. 17
Mar. 3 Chicago, Ill. ..... Feb. 17
Adv. Feb. 17.
Mar. 7 St. Louis, Mo. ..... Feb. 17
Mar. 7 Litchfield, Minn. ..... Feb. 17
Mar. 9 Fostoria, O. ..... Feb. 10
Adv. Feb. 10 and 17.
Mar. 9 West Chester, Pa. ..... Feb. 17
Adv. Feb. 17.
Mar. 14 Freeport, N. Y. ..... Feb. 17
Adv. Feb. 17.
Mar. 14 Great Notch, N. Y. ..... Feb. 17
Adv. Feb. 17.
Mar. 15 Toledo, O. ..... Feb. 17
Apr. 1 Kenmore, O. ..... Feb. 3

Waste Disposal

Feb. 28 Highlands, N. J. ..... Feb. 3
Mar. 7 Bloomfield, N. J. ..... Feb. 10
Mar. 16 Portland, Ore. ..... Feb. 17

Bridges

Bids close — *See Eng. News-Record*

Feb. 21 New York ..... Feb. 3
Adv. Feb. 3 to 17.
Feb. 23 New York ..... Feb. 17
Adv. Feb. 3 to 17.
Feb. 24 Wisconsin ..... Feb. 17
Feb. 28 Arkansas ..... Feb. 3
Feb. 28 Phoenixville, Pa. ..... Feb. 10
Feb. 28 Schellville, Calif. ..... Feb. 17
Feb. 28 California ..... Feb. 17
Mar. 1 New Rochelle, N. Y. ..... Feb. 17
Adv. Feb. 17.
Mar. 1 Broken Bow, Neb. ..... Feb. 17
Mar. 2 Racine, Wis. ..... Feb. 17
Mar. 3 Birdsboro, Pa. ..... Feb 17
Adv. Feb. 10 and 17.
Mar. 4 Wamego, Kan. ..... Feb. 17
Mar. 7 Tombstone, Ariz. ..... Feb. 17
Mar. 9 Poughkeepsie, N. Y. ..... Jan. 27
Adv. Jan. 27 to Feb. 17.

Railways

Feb. 23 California ..... Feb. 17

Excavation, Drainage, Irrigation. Levees, River and Harbor

Feb. 19 Bellefontaine, O. ..... Jan. 27
Feb. 21 Virginia, Ill. ..... Feb. 17
Feb. 24 Atlantic, Ia. ..... Feb. 17
Feb. 25 Crookston, Minn. ..... Feb. 3

Streets and Roads

Feb. 18 New York, N. Y. ..... Feb. 10
Feb. 18 Quebec, Que. ..... Feb. 17
Feb. 19 Suffolk, Va. ..... Feb. 17
Feb. 20 Birmingham, Ala. ..... Jan. 27
Feb. 21 McKenzie, Tenn. ..... Jan. 27
Feb. 21 Vicksburg, Miss. ..... Feb. 17
Feb. 21 Cincinnati, O. ..... Feb. 17
Feb. 21 Buffalo, N. Y. ..... Feb. 17
Feb. 21 Princeton, Ind. ..... Feb. 17
Feb. 21 Wash., D. C. ..... Feb. 17
Feb. 21 Peoria, Ill. ..... Feb. 17
Feb. 22 Toronto, Ont. ..... Feb. 17
Feb. 23 St. Louis, Mo. ..... Feb. 3
Feb. 23 Waukon, Ia. ..... Feb. 10
Feb. 23 Iowa City, Ia. ..... Feb. 17
Feb. 23 Tomah, Wis. ..... Feb. 17
Feb. 23 St. Joseph, Mich. ..... Feb. 17
Feb. 23 Baltimore, Md. ..... Feb. 17
Feb. 23 Lancaster, Wis. ..... Feb. 17
Feb. 23 Wisconsin ..... Feb. 17
Feb. 24 Louisiana ..... Jan. 27
Feb. 24 Kenosha, Wis. ..... Jan. 13
Feb. 24 Plant City, Fla. ..... Feb. 10
Feb. 24 Florida ..... Feb. 10
Feb. 24 San Carlos, Calif. ..... Feb. 17
Feb. 24 Centerville, Mich. ..... Feb. 17
Feb. 24 Cedar Rapids, Ia. ..... Feb. 17
Feb. 25 Indianapolis, Ind. ..... Feb. 10
Feb. 25 Cincinnati, O. ..... Feb. 17

Bids close — *See Eng. News-Record*

Feb. 25 Virginia ..... Feb. 17
Adv. Feb. 17.
Feb. 25 Marshall, Mich. ..... Feb. 17
Feb. 25 Appleton, Wis. ..... Feb. 17
Feb. 25 Orange City, Ia. ..... Feb. 17
Feb. 25 New York, N. Y. ..... Feb. 17
Feb. 26 Idaho ..... Feb. 17
Feb. 26 St. Cloud, Fla. ..... Feb. 17
Adv. Feb. 17.
Feb. 28 Akron, O. ..... Feb. 10
Feb. 28 Northport, Ala. ..... Feb. 3
Feb. 28 Houston, Tex. ..... Feb. 3
Adv. Feb. 3 to 17.
Feb. 28 New Jersey ..... Feb. 17
Adv. Feb. 10 and 17.
Feb. 28 California ..... Feb. 17
Feb. 28 Evansville, Ind. ..... Feb. 17
Feb. 28 San Diego, Calif. ..... Feb. 17
Mar. 1 Alabama City, Ala. ..... Jan. 27
Mar. 1 St. Louis, Mo. ..... Feb. 17
Mar. 1 Ventura, Calif. ..... Feb. 17
Mar. 1 Racine, Wis. ..... Feb. 17
Mar. 2 Estherville, Ia. ..... Feb. 17
Mar. 4 Pennsylvania ..... Feb. 17
Mar. 7 Ontario ..... Feb. 17
Mar. 7 Fowler, Ind. ..... Feb. 17
Mar. 7 New Jersey ..... Feb. 17
Adv. Feb. 17.
Mar. 8 Plymouth, Ind. ..... Feb. 17
Mar. 9 Highland, N. Y. ..... Feb. 17
Adv. Feb. 17.
Mar. 14 Houston, Tex. ..... Feb. 17
Adv. Feb. 17.
Mar. 15 Duluth, Minn. ..... Feb. 3
Mar. 15 Minot, N. D. ..... Jan. 13
Mar. 15 Birmingham, Ala. ..... Feb. 17
Mar. 15 St. Louis, Mo. ..... Feb. 17
Mar. 15 Pattenburg, N. J. ..... Feb. 17
Apr. 1 Kentucky ..... Feb. 17
Apr. 15 Canton, O. ..... Feb. 3

Buildings—Commercial

Feb. 18 New York, N. Y. ..... Feb. 10
Feb. 19 Pittsburgh, Pa. ..... Feb. 17
Feb. 20 Chicago, Ill. ..... Feb. 17
Feb. 20 Niagara Falls, N. Y. ..... Feb. 17
Feb. 22 Rochester, N. Y. ..... Feb. 17
Feb. 23 Phila., Pa. ..... Feb. 17
Feb. 24 Hartford, Conn. ..... Feb. 10
Feb. 24 Wheeling, W. Va. ..... Feb. 17
Feb. 25 New York, N. Y. ..... Feb. 17
Feb. 25 Davenport, Ia. ..... Jan. 27
Feb. 28 South Bend, Ind. ..... Feb. 10
Mar. 1 Ft. Wayne, Ind. ..... Feb. 17
Mar. 2 Baltimore, Md. ..... Feb. 17
Mar. 2 New Haven, Conn. ..... Feb. 17
Mar. 3 Raybrook, N. Y. ..... Feb. 17
Mar. 7 Crown Point, Ind. ..... Feb. 10
Mar. 9 Columbus, O. ..... Feb. 17
Mar. 10 East Chicago, Ind. ..... Feb. 17
Mar. 15 Rochester, N. Y. ..... Feb. 3
Mar. 15 Birmingham, Ala. ..... Feb. 17
Mar. 15 Dallas, Tex. ..... Feb. 10

See proposal advertising on page 148

TRADE "LEADITE" MARK
Registered U. S. Pat. Office

30 Years = Confidence

Laying 14 miles of 18-in. c. i. bell and spigot water mains with LEADITE joints.

Water works men use LEADITE because they have known it for years.

They know it has been successfully tested and used for over 30 years on thousands of miles of c. i. bell and spigot water mains.

This gives them confidence in LEADITE as a jointing material.

The proven durability of LEADITE is important to them, as their pipe lines are laid under ground and are, in most cases, permanent installations.

LEADITE is a great asset to the water works field in pipe line construction, and this fact is recognized by the best water works talent in the country.

There is nothing to equal LEADITE in its many advantages.

LEADITE is used on all sizes of pipe from 4 in. to 60-in. in diameter; used under all pressures; takes the drudgery out of pipe laying; saves time, money and labor; expedites completion of the work; used by hundreds of water works all over the country.

LEADITE is a proven success, and the demand for LEADITE is the most convincing evidence of its established merit.

Give LEADITE a fair trial, and you will unquestionably become a LEADITE user.

The up-to-date water works man specifies and uses LEADITE.

LEADITE saves at least 75%

LEADITE is the pioneer self-caulking material for c. i. pipe

Be Sure It Is LEADITE
and Accept No Imitations

THE LEADITE COMPANY, Inc.
1512 Land Title Building, Philadelphia, Pa., U. S. A.

NO CAULKING

Bids close		See Eng. News-Record
Apr. 1	Wilmington, Del.	Jan. 27
Apr. 1	Canton, O.	Jan. 20
Apr. 1	New Castle, Pa.	Feb. 17
Apr. 30	Louisville, Ky.	Feb. 17
May 1	La Junta, Colo.	Feb. 3

Buildings—Industrial

Feb. 24	Ames, Ia.	Feb. 17
Feb. 24	Thief River Falls, Wis.	Feb. 17
Feb. 23	Phila., Pa.	Feb. 17
Mar. 15	Dover, O.	Feb. 17

Buildings—Educational, Religious

Feb. 21	Hudson, O.	Feb. 10
Feb. 21	Texarkana, Tex.	Feb. 17
Feb. 23	New York, N. Y.	Jan. 27
Feb. 23	Worcester, Mass.	Feb. 17
Feb. 24	Whitewater, Wis.	Jan. 27
Feb. 24	Beverly Hills, Calif.	Feb. 17
Feb. 25	Akron, O.	Jan. 27
Feb. 25	Seattle, Wash.	Feb. 17
Feb. 25	Norristown, Pa.	Feb. 17
Feb. 26	Dover (br. Cleveland), O.	Feb. 17
Feb. 28	Grass Lake, Mich.	Feb. 17
Mar. 1	Chagrin Falls, O.	Feb. 17
Mar. 1	Ruston, La.	Feb. 17
Mar. 2	Quaker City, O.	Feb. 17
Mar. 2	Baton Rouge, La.	Feb. 17
Mar. 3	Brooklyn, N. Y.	Feb. 10
Mar. 7	Santa Barbara, Calif.	Feb. 17
Mar. 8	Aberdeen, S. D.	Feb. 17
Mar. 8	Columbus, O.	Feb. 17
Mar. 12	Versailles, O.	Feb. 17
Mar. 15	Louisville, Ky.	Feb. 3
Mar. 15	Zanesville, O.	Feb. 3
Mar. 15	Marysville, O.	Feb. 17
Mar. 16	San Francisco, Calif.	Feb. 17
Mar. 20	Gardner, Mass.	Feb. 17
Apr. 1	Virginia, Minn.	Feb. 3
May 1	Monroe, Mich.	Jan. 13

Federal Government Work

Feb. 19	Ridge Roll—Wash., D. C.	Feb. 17
Feb. 23	Radio Masts—Tatoosh, Wash.	Jan. 27
Feb. 23	Post Office—Yonkers, N. Y.	Jan. 27
Feb. 23	Floor—Anacostia (sta. Wash.), D. C.	Feb. 3
Feb. 23	Elevator Enclosure Doors—Wash., D. C.	Feb. 3
Feb. 23	Garage, etc.—Jupiter, Fla.	Feb. 3
Feb. 23	Boat House and Wharf—Jupiter, Fla.	Feb. 3
Feb. 23	Deep Wells—Northport, N. Y.	Feb. 17
Feb. 25	Post Office—Lewistown, Pa.	Feb. 3
Feb. 25	Removing Wreck—Buzzards Bay, Mass. Adv. Feb. 10 and 17.	Feb. 10
Feb. 25	Cement—Louisville, Ky.	Feb. 17
Feb. 26	Dynamometer Building—Dayton, O. Adv. Feb. 3 to 17.	Feb. 3
Feb. 28	Heating System—Galveston, Tex.	Feb. 3
Feb. 28	Post Office—Athens, Tenn.	Feb. 3
Feb. 28	Heating System—Galveston, Tex.	Feb. 10
Feb. 28	Generator—Presidio (sta. San Francisco), Calif.	Feb. 17
Mar. 1	Hospital—Bedford, Mass. Adv. Feb. 3 to 17.	Jan. 27
Mar. 1	Deep Wells—Northport, N. Y.	Feb. 17
Mar. 2	Elevators—Mare Island, Calif.	Jan. 27
Mar. 3	Storehouse—Boston, Mass.	Feb. 3
Mar. 4	Pipe Line—Wash., D. C. Adv. Feb. 10 and 17.	Feb. 10
Mar. 7	Post Office—Winchester, Mass.	Feb. 17
Mar. 8	Roofing, etc.—Norfolk, Va. Adv. Feb. 17.	Feb. 17
Mar. 8	Tank and Tower—Maywood, Ill.	Feb. 17
Mar. 8	Roofing—Norfolk, Va.	Feb. 17
Mar. 9	Lock—Pittsburgh, Pa. Adv. Feb. 10 and 17.	Feb. 10
Mar. 9	Transmitting Station—Lakehurst, N. J.	Feb. 17
Mar. 10	Scout Cruisers, etc.—Wash., D. C.	Dec. 30
Mar. 10	Dredging—Albany, N. Y. Adv. Feb. 10 and 17.	Feb. 10
Mar. 11	Post Office—Globe, Ariz.	Feb. 17
Mar. 15	Turbine, etc.—Denver, Colo. Adv. Feb. 17.	Feb. 17
Mar. 16	Buildings, etc.—San Diego, Calif.	Jan. 27
Mar. 16	Water Purification Plant—Davien, C. Z. Adv. Feb. 17.	Feb. 17
Mar. 16	Post Office—Mt. Carmel, Ill. Adv. Feb. 17.	Feb. 17
Mar. 16	Gates—Pittsburgh, Pa. Adv. Feb. 17.	Feb. 17
Mar. 16	Perforating Casing — Keyport, Wash.	Feb. 17
Mar. 18	Dredging—Albany, N. Y. Adv. Feb. 17.	Feb. 17
Apr. 1	Dwellings—Edgewood, Md. Adv. Feb. 17.	Feb. 17

Unclassified

Feb. 18	Station Finish—Brooklyn, N. Y.	Feb. 10
Feb. 21	Signal Towers, etc.—Brooklyn, N. Y.	Feb. 10
Feb. 21	Coal and Ash Handling Machinery—Chicago, Ill.	Feb. 17
Feb. 22	River Terminal—Dubuque, Ia.	Feb. 3
Feb. 23	Causeway—Miami, Fla.	Feb. 10
Feb. 23	Tunnel—Detroit, Mich.	Jan. 20
Feb. 23	Subway Heating System, etc.—Phila., Pa.	Feb. 17
Feb. 23	Flooring, etc.—Massachusetts	Feb. 17
Feb. 24	Pile and Concrete Foundation—Milwaukee, Wis.	Feb. 17
Feb. 24	Heating System—Utica, N. Y. Adv. Feb. 17.	Feb. 17
Feb. 24	Fire Alarm System—Helmuth, N. Y. Adv. Feb. 17.	Feb. 17
Feb. 25	Special Work — Brooklyn, N. Y.	Feb. 17
Feb. 25	Subsurface Structures—New York, N. Y.	Feb. 17
Feb. 28	Subway—Houston, Tex.	Feb. 17
Mar. 1	Lighting System—Pomona, Calif.	Feb. 10
Mar. 2	Refrigeration Equipment — Creedmoor (mail Floral Park), N. Y.	Feb. 3
Mar. 2	Foundation—Boston, Mass.	Feb. 17
Mar. 11	River Terminal, Dubuque, Ia.	Feb. 17

Materials

Feb. 18	Stone, Oil, etc.—Cleveland, O.	Feb. 10
Feb. 18	Cable and Lighting Standards—Cleveland, O.	Feb. 10
Feb. 18	Lumber—Boston, Mass.	Feb. 17
Feb. 19	Cedar Poles—Detroit, Mich.	Feb. 10
Feb. 21	Portland Cement—Kenosha, Wis.	Feb. 17
Feb. 21	Limestone Dust Filler—Cincinnati, O.	Feb. 17
Feb. 21	Culvert Pipe and Lumber—Davenport, Ia.	Feb. 17
Feb. 21	Portland Cement—Milwaukee, Wis.	Feb. 17
Feb. 21	Lumber, etc.—Milwaukee, Wis.	Feb. 17
Feb. 23	Portland Cement—Phila., Pa.	Feb. 17
Feb. 23	Stone Ballast, Boston, Mass.	Feb. 17
Feb. 23	Aluminum Sulphate — New Brunswick, N. J.	Feb. 17
Feb. 23	Culvert Pipe—Decorah, Ia.	Feb. 17
Feb. 23	Cable and Wire—Baltimore, Md.	Feb. 17
Feb. 23	Fuel Oil — St. George, N. Y.	Feb. 17
Feb. 25	Culvert Pipe—Council Bluffs, Ia.	Feb. 17
Feb. 25	Wood Block, Slag, Brooms, etc.—Cleveland, O.	Feb. 17
Feb. 28	Road Oil—Marshfield, Wis.	Feb. 17
Feb. 28	Supplies—Hamilton, Ont. Adv. Feb. 17.	Feb. 17
Mar. 1	Tar, Asphalt, etc.—Iowa	Feb. 3
Mar. 2	Paving Brick, Asphalt, Crack Filler, Granite, etc.—Cleveland, O.	Feb. 17
Mar. 3	Lumber—Bedford, Ia.	Feb. 17

News of the Week

Waterworks

Proposed Work

Mass., Fitchburg—Making tentative plans waterworks and reservoir. $450,000. G. H. Chase, city engr.

Mass., Stoughton—Plans extending 10,700 ft. mains in Washington St. $25,700. Bd. Selectmen, Town Hall, engrs.

N. C., Kinston—Plans 1 m.g. reservoir in West Kinston. Gladding Eng. Co., Wilson, engrs.

N. C., Rockingham—Plans waterworks, securing water from Falling Creek, 2 mi. distant.

N. C., Siler City—Plans extending water and sewerage systems. $25,000.

La., Columbia—Election Mar. 1, $35,000 bonds, waterworks and distribution system. Noted Nov. 12, 1925.

La., Winnfield—See "Sewers."

Mich., Detroit—Dept. Water Supply making plans extending 17,580 ft. 6- to 16-in. mains in Horang Dr., Burt and Evergreen Rds., and 10 avenues. G. H. Fenkell, 176 East Jefferson Ave., engr.

Neb., Beatrice—Making preliminary plans 2 m.g. rein.-con. storage reservoir, pumping equipment, etc. $25,000. C. E. Thornburgh, City Hall, engr. Noted Mar. 4.

S. D., Yankton—Making plans improving water supply, using Missouri River water, about $125,000; or taking iron out of present artesian supply, $58,690. F. G. Brueckman, 1514 East 49th St. Terr., Kansas City, Mo., engr.

N. D., Bottineau—Takes bids about Mar. 1, improving and extending waterworks, incl. 3 mi. mains from springs. $42,000 bonds voted. E. J. Thomas & R. M. Stee, Minot, engrs. Noted Jan. 13.

Tex., Dalhart—Dalhart Waterworks Co. soon takes bids improving waterworks, etc. $15,000. Private plans.

Tex., Teague—Election Mar. 5, $40,000 bonds, water works improvements. J. B. Hawley, 403 Cotton Exch. Bldg., Ft. Worth, engr.

THESE reports are grouped under each class (water-works, sewers, etc.) and under each stage of the work (proposed, bids desired, etc.), according to the following geographic sections: New England, Middle Atlantic, South, Middle West, between Mississippi and Rocky Mountains, Far West, and Canada.

Where name of official is not given inquiries should be addressed to City Clerk, County Clerk, or corresponding official.

Okla., Chickasha—Making plans waterworks improvements, incl. mains, pumping equipment, etc. $40,000. R. O. Bradley & Co., Chickasha, engrs. Noted Oct. 7.

Okla., Healdton — Voted $165,000 bonds, new wells and pumping equipment. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs. Noted Jan. 13.

Colo., Sterling—Made preliminary plans, etc., waterworks improvements, incl. covering reservoir, and fire protection. $70,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, Mo., consult. engrs.

Wash., Centralia — C. B. Chain, supt. water supply, plans improving water distribution system, incl. 10 and 14 in. main in various downtown streets.

Wash., Tacoma — Making plans waterworks, incl. 22 mi. concrete or steel pipe line, using Lake Kapowsin as storage reservoir, to supply 60,000 g.p.d. in 1st unit, and will ultimately reach 200 m.g.d. $2,000,000. J. L. Stannard, ch. engr.

Calif., Mountain View—Making plans mains in California and Bush Sts., etc. To exceed $25,000. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., San Jose—See "Sewers."

Que., Hull—See "Sewers."

Ont., Sandwich — Making plans 12 in. c.i. mains along Huron Line from Tecumseh Rd. to London St. $273,000. McCall & Patterson, Walkerville, engrs.

Ont., Toronto — Making plans relaying 36 in. main in portion Oriole Parkway. $21,000. R. C. Harris, City Hall, engr.

Ont., Toronto — Making plans sand washer pump, electric motor, in filtration plant, 1,000,000 imperial g.p.d. $7,105. R. C. Harris, City Hall, engr.

Ont., Toronto — Making plans installing electrically driven centrifugal low lift pumping plant, concrete pipe line, at Ashkridges Bay. $52,500. R. C. Harris, City Hall, engr.

Ont., Toronto—Making plans extending 12 in. and up high pressure fire mains and hydrants in district south of Queen St. $418,791. R. C. Harris, City Hall, engr.

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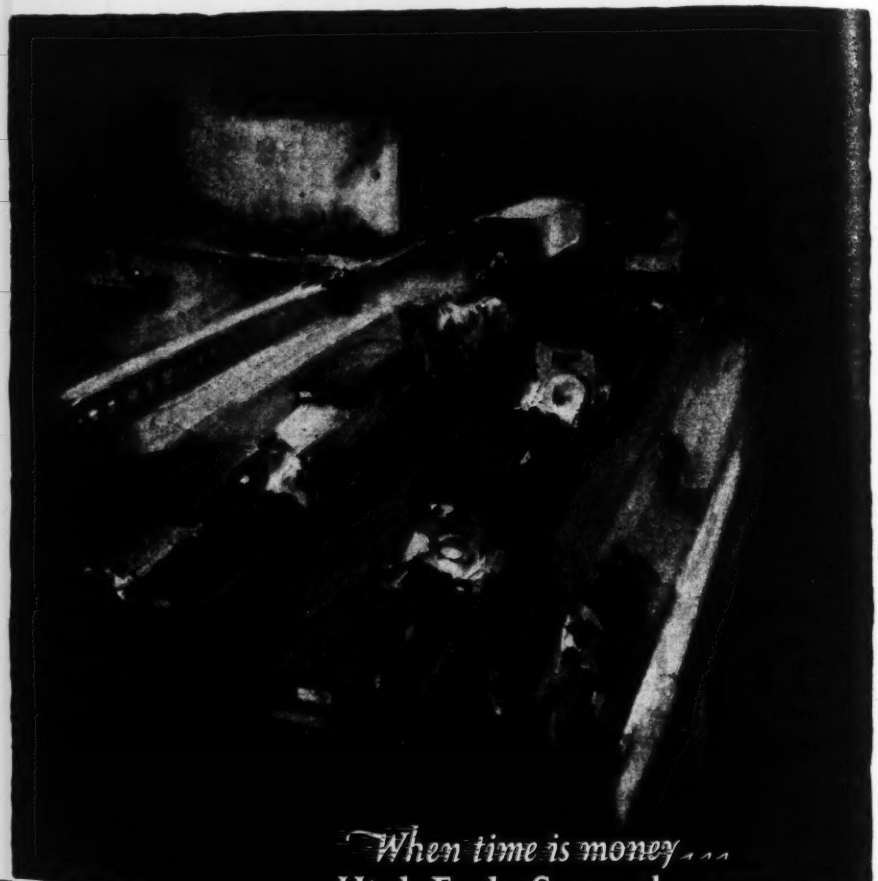
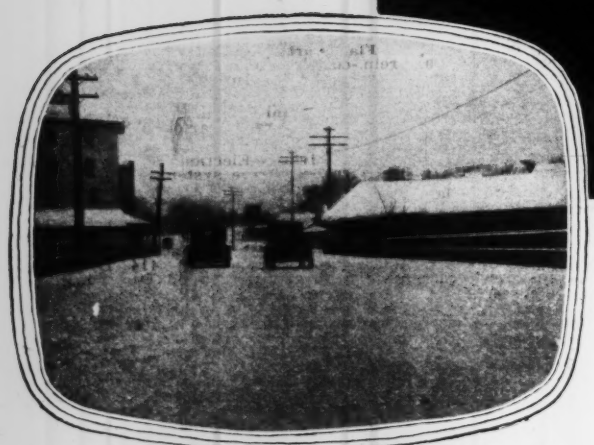


When time is money . . .

use High-Early-Strength concrete made with standard (not special) Universal Cement



Duncan Creek Bridge, Chippewa Falls, Wis. Floor slab made with High-Early-Strength *Universal* Concrete and opened to traffic in 3 *days*. Alfred Brown, Holcombe, Wis., contractor. S. P. Cray, city engineer. Standard *Universal* (not special) cement, the same quality *Universal* regularly handled, furnished by Clark Grain and Fuel Co., Chippewa Falls.

Ordinary Concrete Has a Strength of About *2000 Lbs.* at *28 Days*

The Strength of *This* Concrete Was *2800 Lbs.* at *3 Days*

Hundreds of motorists using this bridge were saved weeks of inconvenience and delay, the city obtained a permanently *better* and *stronger* bridge floor, and the municipal officials were able to render a genuine public service—thru the use of High-Early-Strength *Universal* Concrete.

Such concrete, which is being used on all types of jobs, is made by using fully tested methods and standard *Universal* cement which, being standard—not special—sells at the regular price. The accompanying coupon will bring full details promptly.

Universal Portland Cement Co.

Chicago Pittsburgh Minneapolis Duluth Cleveland Columbus New York

Concrete for Permanence

UNIVERSAL PORTLAND CEMENT CO.
210 South La Salle Street, Chicago

Without obligation, please send me detailed information on methods for securing strong concrete in 3 *days* with standard *Universal* [not special] cement, the same quality *Universal* regularly used.

Name .....

Address .....

ENR 2-17-27

Waterworks (Continued)

Ont., Toronto—Purchased site and plans for m.g. reservoir, incl. 7,550 ft. intake, 2 new pumping stations with electric and steam pumps, additions to John St. pumping station, 50,000 ft. 6 and 7 ft. tunnel and distribution trunk mains. $14,000,000. R. C. Harris, city engr. Gore, Nasmith & Starrie, Confederation Life Bldg., and H. G. Acres, Niagara Falls, consult. engrs. Noted June 3.

Ont., Toronto — Plans reconstructing Toronto Island Water distributing system, 6 in. c.i. mains, etc. $229,610. R. C. Harris, City Hall, engr.

Ont., Willowdale—North York Twp. plans mains in Park and Hill Aves., Duffern and Bathurst Sts. $28,635. James, Proctor & Redfern, 36 Toronto St., Toronto, engrs. Noted Feb. 11.

Bids Desired

N. Y., Albany—Feb. 21 by Bd. Contr. & Supply, City Hall, c.i. pipe; special castings and standard bronze mounted valves, also fire hydrants for Bureau of Water.

N. Y., Akron—Feb. 23, by Bd. Water Comrs., at office W. J. Kelley, village clk., constructing gravity water supply system. $252,009. J. P. Wells, 80 East Ave., Rochester, consult. engr.; adv. E. N.-R. Feb. 17. Noted Jan. 6.

N. Y., New York—Feb. 24, by P. J. Dooling, comr. Water Supply, Gas & Electricity, Municipal Bldg., c.i. pipe special and valve box castings, valves and double nozzle fire hydrants.

N. J., Florham Park—Feb. 23, by Boro Council, Boro Hall, c.i. water pipe, deep well, pumping station, etc. Clyde Potts, 30 Church St., New York City, consult. engr.; adv. E. N.-R. Feb. 17.

Pa., Blawnox—Feb. 19, by Boro, waterworks, incl. 8,500 ft. 4 in. c.i. and 3,200 ft. 2 in. wrought iron pipe, 32 fire hydrants, twenty-eight 4 in. and nine 2 in. gate valves. $40,000. Douglas & McKnight, 912 Columbus Bank Bldg., Pittsburgh, engrs.

Md., Baltimore—Feb. 23, by Bd. Awards, valves and hydrants to Bureau Water Supply. G. F. Wieghardt, City Hall, water engr.

Md., Hagerstown—Mar. 8, by Mayor and Council, through Bd. Water Comrs., City Hall, pumping station, filter plant, subsidence reservoirs, embankment, pipe lines, drains, paving, etc., Contr. 4. W. P. Lane, pres. Bd. Water Comrs.; adv. E. N.-R. Feb. 17. Noted Nov. 25.

N. C., High Point — Mar. 8, by H. A. Moffitt, mayor, and City Council, waterworks improvements, etc. incl. 2 rein.-con. bridges across Deep River. W. C. Olsen, Raleigh, consult. engr.; adv. E. N.-R. Feb. 17.

N. C., Kinston—Mar. 7, by Mayor and Bd. City Comrs., 1 m.g. rein.-con. reservoir with rein.-con. cover and necessary appurtenances. Gladding Eng. Co., Wilson, engr.

N. C., Saluda—Feb. 23, by Mayor and Bd. Aldermen, impounding dam and reservoir, incl. 32,000 cu.yd. embankment, 7,000 cu.yd. excav., 2,000 sq.yd. rein.-con. paving, 550 lin.ft. 10 x 20 in. pipe lines, centrifugal pump and pumping station. C. White, Durham, engr.

Minn., Red Wing—Mar. 15, by S. T. Irvine, city clk., 1,200,000 gal. rein.-con. reservoir. $30,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted Jan. 6.

Tex., McAllen—Texas South Coast Co. taking competitive bids 5 m.g. earth reservoir, near here. $75,000. Private plans. Noted Jan. 20.

Tex., Mercedes—See "Unclassified."

Okla., Oklahoma City—City in market 1,500 ft. ¾ in. copper water pipe and fittings. M. Peshek, city clk.

Okla., Seminole—City in market for new 50 g.p.m. deep well pump and 10 hp. motor. M. McCumber, mayor. Noted Nov. 18.

Calif., Alhambra—R. B. Wallace, city clk., taking bids 5 m.g. reservoir and appurtenances. Noted Dec. 2

Calif., Anaheim—Feb. 24, by E. B. Merritt, city clk., deep well pump and motor, delivering 1,200-1,600 g.p.m.

Calif., Glendale—J. F. Johannsen, city clk. taking bids 8½ m.g. concrete lined reservoir, 30,000 cu.yd. excav., etc.

B. C., Vancouver — See "Contracts Awarded"

B. C., Vancouver—Feb. 22, by City Council, one hundred 6 in. twenty-five each 8 in. and 12 in. hub end gate valves. C. Brackenridge, City Hall, engr.

B. C., Vancouver — Feb. 22, by City Council, 10,000 ft. each 8 and 12 in. c.i. pipe. C. Brackenridge, City Hall, engr.

Ont., Kingsville—Feb. 21, by W. S. Long, secy. Pub. Utilities Comn., approximately 1,965 ft. 16 in. steel intake pipe with joints and special pieces; also laying approximately 1,965 ft. 16 in. intake into Lake Erie, $25,000-$30,000. G. Butler, Kingsville, engr. Noted Jan. 27.

Bids Received

N. J., Newark—T. L. Raymond, dir. Pub. Affairs, City Hall, Jan. 31, low pressure mains in various streets, from Allen Eng. & Contg. Co., 135 Washington Ave., $82,-982; also culvert and sewers from O'Gara Constr. Co., 242 Market St., $15,512. Noted Jan. 27.

O., Beachwood (br. Cleveland)—Village, 2½ mi. 12 in. main in Richmond Rd., from Joseph Co., Prospect-Fourth Bldg., Cleveland, $62,000. Noted Jan. 27.

Mich., Detroit—Dept. Water Supply, 22,-350 ft. 6- to 16-in. mains, fourteen 16 in. and thirty-six 6- to 12-in. gate wells, Contr. 1927-2, and 36,935 ft. 6- to 16-in. c.i. mains, four 16 in. and fifty-seven 6- to 12-in. gate wells, Contr. 1927-3, from J. A. McDace Co., 2016 Webb Ave., $18,973 and $29,219 respectively.

Minn., Minneapolis—F. S. Gram, city purch. agt., Feb. 3, 55,000 lin.ft. 6 in., 7,000 ft. each of 8 in. and 12 in., and 2,592 ft. 24 in. c.i. pipe, from Amer. Cast Iron Pipe Co., 712 Plymouth Bldg., approximately $75,000. Noted Jan. 27.

Mo., St. Louis—Bd. Pub. Serv., 208 City Hall, Feb. 1, 3 traveling screens in intake chamber of Missouri River Pumping Station at Howards Bend, St. Louis Co., from Chain Belt Co., 736 Park Ave., Milwaukee, Wis., $23,339, engrs. est. $20,000; and standard gauge railroad switch between Missouri River Waterworks station and point near settling basin and coagulation plant, from Industrial Track Constr. Co., Title Guaranty Bldg., $7,605, engrs. est. $11,000. Noted Jan. 20.

Contracts Awarded

N. Y., Long Island City—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Bernett, Woolsley and 39th Aves., also Central, Austin, Caspian Sts., etc., to Wataga Contg. Co., 334 Lenox Ave., New York City, $8,200 and $12,700 respectively; in Skillman and 43rd Aves., to Paladino Contg. Co., 437 East 120th St. and New York City, $6,843; and in Barclay, Nesmith Pl., to S. Gallucci & Son, 33 Railroad Ave., Corona, $11,169. Grand total $38,942. Noted Feb. 3.

N. Y., New York — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., mains in Avenue C, Lenox and 2nd Aves., etc., to Beaver Eng. & Contg. Co., 51 Chambers St., $84,508. Noted Feb. 10.

N. Y., St. George — N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, mains in Appleby, Bennett, Cannon, Cedar Sts., etc., to G. V. Cornell, 39 Egbert Pl., $26,421. Noted Feb. 10.

La., Farmersville—Mayor and Bd. Aldermen, Town Hall, general construction waterworks, to C. J. Montgomery, Kaplan, $13,738; pumping equipment, to Fairbanks-Morse Co., 1000 St. Charles St., New Orleans, $12,400; oil storage tank, to Pittsburgh-Des Moines Steel Co., Tuttle and Southwest 10th Sts., Des Moines, Ia., $590; tank on tower, to Chicago Bridge & Iron Co., 37 West Van Buren Ave., Chicago, Ill., $4,955; c.i. pipe and hydrants, valves and boxes, to Dixie Mill & Supply Co., 901 Tchoupitoulas St., New Orleans, $2,269 and $2,854 respectively; 6 in. well, to G. H. Butler, 231 Herndon St., Shreveport, $2,200. Grand total $39,006. Noted Dec. 30.

Mich., Detroit—Dept. Water Supply, laying c.i. pipe, gate wells, etc. Contr. 1927-2, and c.i. pipe, gate wells, etc. Contr. 1927-3, to J. A. McDace Co. 2016 Webb Ave., $18,-973 and $29,219 respectively; furnishing 100,000 ft. 6 in. 27,828 ft. 16 in. Class 150 DeLavaud pipe, to U. S. Cast Iron Pipe & Fdry. Co., East Burlington St., Burlington, N. J., at $0.63 and $2.75 per ft. respectively, also 32,000 ft. 6 in. Class 150 DeLavaud pipe, to Natl. Cast Iron Pipe Co., Tarrant City, Birmingham, Ala., $0.63 per ft.

Mich., Pontiac—H. A. Maurer, city clk., 6, 8 and 16 in. c.i. pipe, f.o.b. Detroit, to Lynchburg Fdry. Co., Lynchburg, Va., $41,555; also 12 in. pipe and fittings, to J. B. Clow & Sons, 2142 Buhl Bldg., Detroit, $29,343.

Ill., Dupo—For 32,000 ft. 10 in. c.i. mains, 100,000 gal. tank on tower, 1 motor driven and 1 gasoline driven centrifugal pumps, pump house, etc., to Allied Contractors, Inc., Chemical Bldg., St. Louis, Mo. Engrs. est. $125,000. Noted Feb. 3.

Ill., Specialville—For 82,000 ft. 6- to 20-in. c.i. pipe, one hundred and eleven 6- to 10-in. double gate valves, 186 fire hydrants, etc., to Dowdle Bros. Co., 77 West Washington St., Chicago. $229,936.

Ill., Waukegan—City Council, water pumping and filtration plant, constructing building and filtration system, to Cope & Fisher, Decatur, $758,000; installing piping, to G. A. Green, Green Bay, Wis., $68,500; installing piping, electrical, and other general equipment, to Donovan Constr. Co., 1101 Builders Exch., St. Paul, Minn., $265,000; also pumps and machinery, to Allis-Chalmers Co., Wallis St., Milwaukee, Wis., $105,700. Grand total $1,197,200. Noted Nov. 18.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, to U. S. Cast Iron Pipe & Fdry. Co., 122 South Michigan Ave., Chicago, Ill., 1,700 tons each 6 in. c.i. pipe at $45 per ton, and 16 in. $43.50, also 211 ton special castings $78; to Natl. Cast Iron Pipe Co., 122 South Michigan Ave., Chicago, Ill., 1,600 tons 12 in. pipe $43.50; and to Amer. Cast Iron Pipe Co., 38 South Dearborn St., Chicago, Ill. 2,000 tons 8 in. pipe $44.30 per ton. Noted Jan. 20.

Wis., Milwaukee—Central Bd. Purchases, J. W. Nicholson, ch. buyer, City Hall, 200 fire hydrants, to R. D. Wood & Co., 400 Chestnut St., Phila., Pa., at $77 each. Noted Feb. 3.

Wash., Tumwater — Developing new water supply from McCaller Springs, incl. 150,000 gal. concrete reservoir, pipe line, 10 hydrants, etc., to Ray Wood Eng. & Constr. Co., Olympia, $16,950.

Calif., Rialto—I. Stewart, city clk., 4 and 6 in. Matheson steel pipe line, to R. F. Ware, 2146 East 38th St., Los Angeles, approximately $38,000. Noted Nov. 18.

B. C., Vancouver—City will relay mains in Beach Ave, Pacific and Howe Sts., by day labor. $34,050.

Ont., Toronto—To Neptune Meter Co. Ltd., 345 Sorauren Ave., 3 in. compound meters at $177.84 each, 4 in. $296.40 each, and 6 in. $592.80 each; also to Natl. Meter Co., 151 Duchess St., 2 in. positive displacement meters at $91. each, 3 in. $190. each, and 4 in. $296.40 each. Noted Oct. 28.

Sewers

Proposed Work

Conn., Waterbury — Takes bids about Mar. 1, extending sewerage system $5,-000,000. Address City Engineer.

N. C., Siler City—See "Waterworks."

Fla., Fort Pierce—Plans 2,000 ft. 60 in. rein.-con. and concrete sewer draining small savannah into Indian River. $60,000. P. R. Moore, city engr.

Fla., Miami—Making plans storm and sanitary sewers in various streets. To exceed $2,000,000.

La., Vivian—Election Mar. 15, complete sanitary sewerage system. $80,000. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Noted Jan. 20.

La., Winnfield—Election Mar. 15, $44,000 bonds, waterworks and distribution system; and $103,000 bonds, new sewerage system. C. D. Evans, 414 Levy Bldg., Shreveport, engr. Noted Dec. 30.

Tenn., North Chattanooga (br. Chattanooga) — Election soon $80,000 bonds, sewers and fire plugs.

O., Hamilton—Plans storm sewers in several streets. $300,000. W. R. Willard, city engr.

Mich., Iron River—City Clerk takes bids about Apr. 15, storm and sanitary sewers in various streets. $100,000. Hood, Decker, Shoecraft & Drury, Ann Arbor, engrs. Noted Oct. 7.

Ind., South Bend — Bd. Wks. making plans constructing trunk line sewer. $1,000,000. Address City Clerk.

Ia., Monticello—Plans storm sewers in various streets. H. R. Green Co., Cedar Rapids, engrs.

Minn., North St. Paul—Village, O. W. Bergstrom, recdr., making plans complete sanitary sewerage system. $150,000. Druar & Milinowski, 500 Globe Bldg., St. Paul, engrs.

Mo., Kansas City — Unity School of Christianity had plans made sewers and disposal plant, Unity Farm, near here. $24,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, consult. engrs.

Mo., St. Louis—Dept. Pub. Serv., 208 City Hall, soon takes bids constructing Sect. A Western Mill Creek Pub. Relief Sewer, incl. vitr. clay, segmental block, brick or rein.-con. pipe, etc. $1,060,000. W. W. Horner, 300 City Hall, engr. Noted Nov. 4.

Mo., Sedalia—Made surveys and plans sewage disposal plant and outfall sewer in

Constr. News page 95

A Bird's-Eye View of a Big Sewer Job!

THIS aeroplane view of an INDEPENDENT Concrete Pipe job at Royal Oak, Michigan, will give you a good idea of the way our organization cooperates with the contractor.

1 shows one of the central yards where the reinforced concrete pipe for this job were built. 52,700 feet—nearly ten miles—of 30-inch to 90-inch INDEPENDENT Pipe were used.

2 indicates a completed stretch of the sewer—pipe laid and trench backfilled.

3 points out the sewer construction crew at work—one machine is doing both the excavating and pipe-laying.

4 marks the two rows of concrete pipe delivered along the line of work, ready to lay.

"INDEPENDENT" gives the contractor a *complete* service on concrete pipe—the kind of cooperation that means less trouble and more profit in laying sewers. No matter whether your next sewer job calls for ten miles or a thousand feet of concrete pipe, we are ready to give you prompt service, quality pipe, and low prices. Write, wire or 'phone us for estimates or information. (Main 2131.)

INDEPENDENT CONCRETE PIPE CO.
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Sewers (Continued)

Southwest Sewer Dist., $175,000. Burns & McDonnell Eng. Co., Interstate Bldg., Kansas City, consult. engrs.

Ark., Searcy—Making preliminary plans sewage disposal plant and auxiliary work outside city limits. $80,000. Dickinson & White, 608 Boyle Bldg., Little Rock, engrs.

Tex., Amarillo — Takes bids in April, sewers in various streets. $200,000. H. B. Hawley, Amarillo, and 403 Cotton Exchange Bldg., Ft. Worth, engr.

Tex., Mercedes—Election Mar. 3, $95,000 bonds, complete sewerage system and disposal plant. W. E. Anderson, San Benito, engr. Noted Dec. 2.

Tex., Mercedes—Making plans 2½ mi. sanitary sewers and disposal plant, etc. at new townsite Santa Rosa, near here. $45,000. H. E. Bennett, Mercedes, engr.

Tex., San Benito—Voted $60,000 bonds, sewage disposal plant. Address J. S. Brown, mayor. Noted Jan. 27.

Okla., Longdale — Making plans new sewerage system and sewage disposal plant. $27,000. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Oklahoma City—Plans 23,000 ft. 8 and 10 in. vitr. clay sewers in Lincoln Terrace and West Lawn Additions. $31,000. B. M. Hart, City Hall, engr.

Ore., Klamath Falls — Making plans sewerage system and disposal plant. $400,000. Barr & Cunningham, Spalding Bldg., Portland, engrs.

Calif., Los Angeles — Plans approximately 17,500 lin.ft. trunk sewer and house connections in Meadowbrook and San Vicente Blvd. Sewer Dist.; also 32,000 lin.ft. in 105th St. and Hoover St. Sewer Dist. J. C. Shaw, City Hall, engr.

Calif., Palo Alto—Made plans 21,072 ft. 10- to 24-in. sewers, etc., in Hamilton Ave., Forest Court, etc. J. F. Bxybee, Jr., city engr.

Calif., San Jose—Plans extending outfall sewer; constructing sanitary sewers, approximately 25,000 lin.ft. lateral sewers, and 6,000 lin.ft. mains in various streets, to exceed $25,000; also 41,500 lin.ft. storm sewers in various streets, $100,000. W. Popp, city engr.

Calif., Santa Clara — Plans approximately 5 mi. main sewer outlet to tidewater. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Que., Hull — Soon takes bids sewers, roads, sidewalks and watermains in various streets. $160,000. T. Lanctot, City Hall, engr. Noted Nov. 4.

Ont., Belleville — Plans constructing 8 in. and up vitr. tile sewers in various streets. $25,000. C. D. Campbell, City Hall, engr.

Ont., Birch Cliff — Scarborough Twp. plans 8 in. and up vitr. tile and concrete trunk sewers and laterals in Southeast portion of township. $775,000. C. E. Fraser, 1361 Kingston Rd., Toronto, engr. James, Proctor & Redfern, 36 Toronto St., Toronto, consult. engrs.

Ont., Guelph—Making plans 1,440 ft. 18 in. trunk and 2,600 ft. 8 in. and up service sewer in Yorkshire Ave. $25,000. H. S. Nicklin, City Hall, engr.

Ont., Ottawa—Making plans 4 to 5 mi. 8 in. and up vitr. tile and concrete sewers in west end of city. $217,000. A. F. Macallum, City Hall, engr.

Ont., Sandwich—Making plans approximately 1 mi. 8 in. and up vitr. tile sewers in various streets. $33,000. McCall & Patterson, Walkerville, engr.

Ont., Sandwich—Making plans vitr. tile and concrete storm sewer outlet in Wright Pl., Brock and Herbert Sts. $183,018. McColl & Patterson, Walkerville, engrs.

Ont., Toronto—Making plans sewer outlet to Smalls Pond, east end of city. $26,870. R. C. Harris, City Hall, engr.

B. C., Point Grey—Making plans and takes bids about Mar. 18, trunk sewers in Quesville Dr., etc., $118,200. W. B. Greig, 5851 West Blvd., Vancouver, engr.

Bids Desired

N. Y., Freeport—Mar. 14, by Village Sewer Comrs., at office Village Clerk, West Merrick Rd., sewage treatment plant, pumping station, force main and main trunk sewers, etc. N. S. Hill, Jr., 112 East 19th St., New York City, consult. engr.; adv. E. N.-R. Feb. 17.

N. Y., Mamaroneck—Feb. 24, by Bd. Village Trustees, Boston Post Rd., Sewerage system, Cont. 6 and 7. R. H. Stevens, Larchmont, N. Y., village engr.; adv. E. N.-R. Feb. 17.

N. Y., St. George — Feb. 23, by J. A. Lynch, pres. Richmond Boro, Boro Hall, temporary sanitary sewer in Revere St., Sharon and Clifton Aves.

N. J., Great Notch—Mar. 14, at office Great Notch Park Development Co., 56 Beaver St., New York City, sewers in several streets, here. H. J. Harder, 129 Market St., Paterson, engr.; adv. E. N.-R. Feb. 17.

N. J., Spring Lake—Feb. 28, by Mayor and Boro Council, rein.-con. sedimentation tank, etc., connecting inlet with boro sewerage system and outlet with existing ocean outfall pipe at Ocean and Pitney Aves. J. M. Braly, boro engr.; adv. E. N.-R. Feb. 17.

Pa., West Chester—Mar. 9, by M. M. Davis, secy. Boro. Council, altering and constructing Goose Creek Sewage Disposal Plant additions. M. M. Davis, secy.; adv. E.N.-R., Feb. 17.

D. C., Wash.—Feb. 25, by Dist. Comrs., District Bldg., sewers in 3 various streets. $43,000.

Ga., Savannah—Mar. 2, by Mayor and Aldermen, 30 mi. 7- to 9-ft. sewers, etc., Divs. A, B and C. N. P. Corish, clk. of council; adv. E. N.-R. Feb. 17. Noted Aug. 5.

O., Akron—Mar. 3, by W. F. Peters, dir. Pub. Serv., 1,710 ft. 8- to 24-in. vitr. clay, and 3,965 ft. 30- to 51-in. brick or segmental block sewer in Glenwood and Dan Sts., $79,000; 1,010 ft. 30- to 48-in. brick or segmental block sewer in North Forge St., $27,500; also 3,015 ft. 12- to 39-in. vitr. clay sewer along Akron, Canton & Youngstown R.R. tracks, $35,200. J. E. Root, Municipal Bldg., engr. Noted Jan. 6.

O., Cleveland—Feb. 23, by Bd. Comrs. Cuyahoga Co., 4,500 ft 8- to 36-in. concrete, vitr. clay or segmental block sewer in West 51st St., Impvt. 115. F. R. Williams, Court House, engr.

O., Toledo—Mar. 15, by W. B. Guitteau, dir. Pub. Serv., Safety Bldg., East Side Intercepting Sewer, Contrs. 9 and 10. H. P. Jones & Co., 1404 2nd Natl. Bank Bldg., engrs.; adv. E. N.-R. Feb. 17.

Ind., Jasper—Feb. 24, by Common Council, Court House, sanitary sewer extension. A. P. Dudine, city clk.; adv. E. N.-R. Feb. 17.

Ind., South Bend—Bd. Wks. taking bids constructing Randolph Hoke Sewer. $31,925.

Mich., Grand Rapids—Feb. 23, by F. H. Locke, city mgr., City Hall, 1,540 lin.ft. 60 in. storm sewer in various streets.

Ill., Chicago—Mar. 3, by H. G. W. Laubenheimer, clk. Sanitary District of Chicago, West Side Sewage Treatment Works Divs. F, G, H. and I. T. J. Crowe, pres.; adv. E. N.-R. Feb. 17.

Wis., Milwaukee — Feb. 25, by J. H. Fowles, secy. Metropolitan Sewerage Comn., 508 Market St., extending dryer house conveyor system. $25,000. Noted Oct. 21.

Minn., Litchfield—Mar. 7, by City, sewage disposal plant. $30,000. L. P. Wolff, 903 Globe Bldg., St. Paul, engr. Noted Dec. 16.

Mo., St. Louis — Mar. 1, by Bd. Pub. Serv., 208 City Hall, constructing Cheltenham Joint Sewer, 2,795 ft. 24- to 39-in. brick, segmental block or vitr. clay pipe, $29,000; West Rock Creek Joint Sewer, 5,850 ft. 18- to 78-in. pipe $88,000, and South Hurst Joint Sewer, 4,600 ft. 18- to 48-in. pipe, $41,000. W. W. Horner, 300 City Hall, engr.

Calif., Los Angeles — Supervs. Los Angeles Co. taking bids 1.16 mi. cement sewer in Brooklyn Ave., Co. Impvt. 485. A. K. Warren, Law Bldg., engr.

Bids Received

N. Y., Long Island City—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Feb. 7, from Kew Contg. Co., Mineola, sewers in Vandeventer Ave. $3,747, Metropolitan Ave. $1,787, 37th St. $789, Teimann Ave. $2,644 and Rockaway Blvd. $1,328; from J. H. Johnson, Case Pl. $3,026; from Kennedy & Smith, Bradford St., Flushing, South Railroad Ave., $2,690; from J. Szpantowitcz, 480 Boulevard, 46th St., $2,335; from Peace Bros., Inc., 57 North Lawrence St., Flushing, Sanford Ave., $1,149; from D. A. Gross, 8515 Fulton St., Woodhaven, 87th St. $1,713, and 88th St. $1,834; from P. J. Greenough, 9919 Guilford Ave., Rockaway Blvd., $1,324. Noted Feb. 3.

N. J., Newark—See "Waterworks."

Ark., Little Rock — Bd. Comrs. Sewer Impvt. Dist. 104, Feb. 3, storm and sanitary sewers in various streets, from McEachin & McEachin, Home Insurance Bldg., $325,000. Noted Jan. 20.

Calif., Los Angeles—Bd. Pub. Wks. from R. Metcalfe, 1935 North Commonwealth Ave., storm drains in 8th Ave., Sect. 2, Jefferson St. Storm Drain, $335,000; also from G. E. Kemper, 3045 Weston St., Lomita, improving Federal Ave., sanitary sewer $68,800, 30,540 lin.ft. house sewers $1 per ft. Noted Dec. 23 and Feb. 3.

Contracts Awarded

Pa., Phila. — Dept. Pub. Wks., Bureau of Engineering, G. H. Biles, dir., to A. Corrado, 5920 Magnolia St., branch sewer in Champlost St. $4,241, to V. Campellone, 3856 North 10th St., Ditman St. $10,167, Grays St. $5,793, and Mifflin St. $2,412, to P. Pinciatti, 4103 Roosevelt Bldg., Gibson St. $7,038, and 66th St. $9,203, to P. and A. J. Ellis, 4th and Wyoming Sts., Ruscomb St. $5,117, and 10th St. $4,187, to A. Franzi, 513 High St., Right-of-Way $16,485, to P. DeMayo, 509 Washington Sq., Shamokin St. $3,800, to F. T. Buckins, Jr., 4050 Kensington Ave., Summerdale St. $3,427, to McIntyre Constr. Co., 6811 North Franklin St., Walker St. $16,466, and to A. Bonitabibus, 300 West Mt. Pleasant St., Warnock St. $4,017; also to J. and R. Lombardi, Lincoln Bldg., main sewer in Richmond St., $93,637; and to M. J. Driscoll, 100 Apsley St., sewage disposal plant in Winghocking St., $27,395. Grand total $221,279. Noted Jan. 27.

D. C., Wash.—District Comrs., District Bldg., to W. F. Brenizer Co., 101 New York Ave. N. E., for Massachusetts Ave. replacement sewer $5,151, Dix St. service sewer $4,262, constructing Military Rd. and 32nd St. sewer $3,716, and Eckington combined system sewers $2,295 to G. B. Mullin Co., 1296 Upshur St., Observatory Circle service sewer $2,673; to W. H. Engle, for Clark and Brewer Places service sewer $4,298, and to Aiello Constr. Co., Inc., Gough and 4th St., Baltimore, Md., Holbrook Terrace service sewer $2,515. Grand total $24,910. Noted Jan. 20.

Fla., Orlando — City Comrs., sanitary sewers in various streets, to J. B. McCrary Co., Bankhead Ave., Atlanta, Ga., $55,000. Noted Dec. 23.

O., Cincinnati — Director Pub. Serv., 11,535 ft. 12- to 24-in. vitr. clay trunk sewer in Madisonville, Contr. 7, to Cannell-Conrad Co., Madison Rd., Norwood, $108,593. Engrs. est. $151,069. Noted Jan. 27.

O., Garfield Heights (mail Cleveland)—Concrete sewers in 5 sections, to D. Rossi-Marcelleti Co., 11696 Willard Ave., Cleveland, $170,600. Noted Jan. 27.

Ill., Chicago—Board Local Impvts., Room 207, City Hall, system concrete and tile sewers with concrete bulkhead, temporary wooden flumes, concrete manholes and catch basins, etc. in Cicero Ave., etc. to Underground Constr. Co., 130 North Wells St., $614,935. Noted Jan. 27.

Kan., Emporia—E. T. Mendel, city clk., 6,260 ft. 10- to 90-in. sewers, etc. in various streets, to C. J. McCoy Constr. Co., Emporia. Noted Jan. 13.

Tex., Ft. Worth—For 19½ mi. sewers in Riverside Dr., to McKenzie Constr. Co., c/o Travis Bldg., San Antonio, $99,953.

Okla., Tulsa—R. J. Moore, city aud., to E. G. Fike & Co., 22 Nebraska Bldg., 1,085 ft. monolithic concrete sewers with vitr. clay lined invert, in Project 2-B, Sunset Addition $14,556, 555 ft. 96 in. monolithic concrete sewers with vitr. clay lines invert and 45 ft. 6 x 8 in. rein.-con. box and 625 ft. 10 x 7 ft. 1 in. rein.-con. arch with tile floors in Project 2-A, Sunset Terrace Addition $29,706, and 760 ft. plain monolithic concrete sewers in Project 13-B, Ozark Place Addition $3,576; to Standard Paving Co., Boston & Katy R.R. tracks, 455 ft. 36 in. monolithic concrete sewers with brick lined inverts in Project 15-A, Woodward Park Addition, $2,142. Grand total $4,980. Noted Dec. 30.

Calif., Dunsmuir — City Trustees, sewage treatment plant, etc., to W. J. Tobin, 527 Santa Ray Ave., Oakland, $116,540. Noted Jan. 6.

Calif., Los Angeles—Bd. Pub. Wks., to T. Kelly & Sons, Inc., 806 Hillstreet Bldg., constructing North Outfall Sewer, Sect. 39, 3,500 ft. 6 in. semi-elliptical brick-concrete sewer, $13,581, 6,654 ft. 2 in. same pipe $23,148, and 595 ft. vitr. clay pipe $1,565. Noted Jan. 13.

Ont., Toronto — York Twp., sewers in Outlook Ave., to Kilmer & Barber, 10 Adelaide St. E., $39,850; Ewart Ave. and Ypres Rd., to P. Licastro, 1423 Dufferin St., $4,594.

Ont., Toronto—Sewers in Whitehall Rd., Eastern and Cedarvale Aves., and 2 lanes, to Ruscica Bros., 84 Woodycrest Ave., $9,941; Oakcrest Ave., to A. Cavotti, 257 Euclid Ave., $2,008; lanes near Ruskin and Montrose Aves., to P. Licastro, 1423 Dufferin St., $3,065; and Queens Quay Sects. 1 and 2, to city by day labor, $72,709. Grand total $87,723. Noted Jan. 13.

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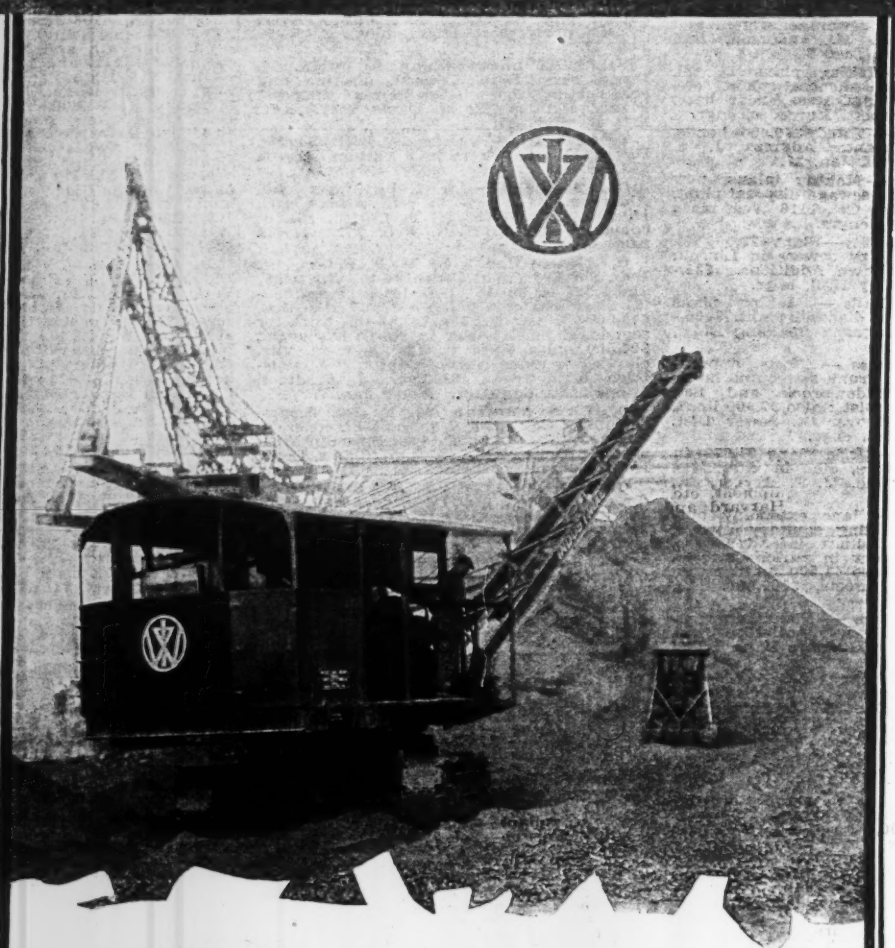

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INDUSTRIAL WORKS, BAY CITY, MICHIGAN

Sewers (Continued)

Ont., Toronto—Vitr. tile sewers in Lane east of Shaw St., to P. Licastro & Co., 1453 Dufferin St. $1,214, Greer Rd., Yonge and North Sherbourne Sts., Hillhurst and Courtleigh Blvds., to W. E. Taylor, 22 Falcon Ave. $23,263, Lane north of Noble St., Avenue Rd., Oriole Parkway, Cedarvale, Glengarry, and Eglinton Aves., to Rusciea Bros., 84 Woodycrest Ave. $21,-247, and Lane west of Campbell Ave., to [illegible] by day labor, $2,543. Grand total $18,277. Engrs. est. $45,210.

Ont., Welland—For 3,460 ft. 27- to 42-in. sewer in various streets, to C. J. White, Myrtle Ave., $45,167. Engrs. est. $40,000.

Waste Disposal

Proposed Work

N. Y., Troy—Common Council plans issuing $175,000 securities, garbage incinerator. J. C. Watt, city engr.

Bids Desired

Ore., Portland—Mar. 16, by City Council, incinerator plant. $50,000-$100,000. O. Laurgaard, City Hall, engr.

Bids Received

N. Y., New York—A. Goldman, comr. Dept. Plant & Structures, Municipal Bldg., Feb. 14, general construction destructor plant, East 73rd, East 74th and Exterior Sts., for Dept. Street Cleaning, from Clemente Contg. Co., 1191 Spofford Ave., $811,000, and Willetts Constr. Co., 280 Madison Ave., $827,000; plumbing, from William Young Plumbing Co., 217 West 13th St., $21,157 and $22,707; chimneys, from M. W. Kellogg Co., Inc., 7 Dey St., $29,-948; furnaces, mechanical equipment, etc., from Bartlett & Snow Co., Harvard and East 62nd St., Cleveland, O., $227,400, and from Decarie Incinerator Co., 342 Madison Ave., $244,000; heating, from E. Rutzler Co., Inc., 404 East 49th St., $29,874 and $32,288; and electrical equipment, from Lord Electric Co., 105 West 40th St., $18,-500, and Arc Electrical Constr. Co., Inc., 407 Lexington Ave., $24,945. Noted Jan. 20.

Bridges

Proposed Work

New York and New Jersey—Port of New York Authority, 75 West St., New York City, made tentative plans 3,000 ft. steel and concrete bridge, 150 ft. over Kill von Kull, from Port Richmond, N. Y. to Bayonne, N. J., $16,000,000. Cass Gilbert, 244 Madison Ave., New York City, archt. O. H. Ammann, 75 West St., New York City, bridge engr. W. H. Burr, 120 Bway., New York City, and G. W. Goethals, 40 Wall St., New York City, consult. engrs. Noted May 6.

Pa., Duquesne — Comrs. Allegheny Co., County Bldg., Pittsburgh, soon take bids concrete and steel bridge over Thompson River, here. $900,000. County Bureau of Bridges, 519 Smithfield St., Pittsburgh, engrs. Allegheny Co. appropriates $400,-000, City of Duquesne $250,000, also Carnegie Steel Co., Carnegie Bldg., Pittsburgh, and Pittsburgh Rys. Co., 435 6th St., Pittsburgh, $250,000 toward cost.

Pa., Phila.—Dept. Pub. Wks., Bureau of Engineering, Div. of Bridges, plans Wissahicken Bridge at Henry Ave. $1,750,-000. G. H. Biles, dir.

North Carolina—Currituck Co. (Currituck) plans bridge across Currituck Sound from Kitty Hawk to Powell's Point. $250,-000. Address Bd. Comrs. Currituck Co.

North Carolina — Dare Co. (Manteo) plans bridge from Manteo to Nag's Head on Albermarle Sound. $100,000. Address T. S. Meekins, Manteo, clk. of court.

N. C., Greensboro — See "Streets and Roads."

Fla., Miami—Making plans bridges over Miami River, at Northwest 12th Ave., also Southeast 2nd Ave. forming a connecting link between Biscayne Blvd., South Bayshore Dr. and all territory south and west, incl. Coconut Grove, Silver Bluff and Coral Gables.

Mississippi—Harrison Co. (Gulfport) and Jackson Co. (Pascagoula) making preliminary plans and take bids in late spring or early summer 6,000 ft. rein.-con. and steel bridge, 20 ft. over Bay of Biloxi, on U. S. Highway 90, between Biloxi and Ocean Springs. $700,000. H. C. Dietzer, Jackson, engr.

Tennessee—State Dept. Highway & Pub. Wks., Nashville, making plans and takes bids about May 7, bridge over Obion River, and several smaller bridges on Kenton-Martin Rd., Weakley Co. To exceed $25,-000. C. N. Bass, highway comr. Noted July 15.

Tenn., Savannah—State Dept. Highways & Pub. Wks., Nashville, takes bids about July 1, probably concrete and steel bridge over Tennessee River, near here. To exceed $400,000. C. N. Bass, highway comr.

Mich., Detroit—City, New York Central R.R. Co., 466 Lexington Ave., New York City, F. B. Freeman, ch. engr., and Wabash Ry. Co., Exchange Bldg., St. Louis, Mo., R. H. Howard, ch. engr., plan 4 span rein.-con. and steel bridge to carry railroad tracks over Livernois Ave. here. $255,000.

Ill., Alton—O. L. McCawley, et al, Carthage, Mo., plans two 500 ft. main and several approach span rein.-con. and steel bridge over Mississippi River, connecting Illinois and Missouri highway systems, here. $1,100,000. Harrington, Howard & Ash, 1012 Baltimore St., Kansas City, Mo., engrs.

Kan., Olathe—Johnson Co. takes bids in early spring one 50 ft. and three 70 ft. span steel truss and concrete bridge, 20 ft. over Blue River, Federal Aid Project 246-E, one 100 ft. truss and one 40 ft. I-beam span steel bridge over Kill Creek, also one 100 ft. truss and one 40 ft. approach span steel and concrete bridge over Cedar Creek, both on Federal Aid Project 315-D. E. J. Terrill, Court House, co. engr. Noted Feb. 3.

Mo., Kansas City — City purchased Armour-Swift-Burlington Bridge, and State Hy. Dept., Jefferson City, plans reconditioning same, also repaving approaches, etc. $370,000.

Mo., Rockport — Missouri-Kansas-Texas R.R. Co., F. Ringer, ch. engr., Ry. Exch. Bldg., St. Louis, making preliminary plans approximately 100 ft. rein.-con. and steel bridge, here. $25,000.

Mo., St. Louis—Soon takes bids 5 span 215 ft., rein.-con. and steel bridge, 40 ft. with 35 ft. roadway, etc., over River Des Peres, at Watson Rd. $56,600. L. R. Bowen, 301 City Hall, engr. Noted Jan. 27.

Mo., St. Louis—J. R. Scott, Jr., et al., Merchants Laclede Bldg., making preliminary plans rein.-con. and steel toll vehicle bridge, 20 ft. over Mississippi River, near Chain of Rocks Water Works Station, connecting with Illinois State Highway System. $1,250,000. B. L. Brown, Merchants Laclede Bldg., engr.

Tex., Abilene—See "Streets and Roads."

Tex., Batesville—See "Streets and Roads."

Tex., Corpus Christi — Padre Island Causeway Co., c/o G. R. Clark, treas., c/o State Natl. Bank, made plans and soon takes bids 18,300 ft. Don Patricio Causeway connecting mainland at Flour Bluff with Padre Island. $35,000. Private plans. Noted Dec. 30.

Tex., Graham—See "Streets and Roads."

Tex., Houston—See "Streets and Roads."

Tex., Uvalde—See "Streets and Roads."

Calif., San Jose—Plans rein.-con. bridge. $25,000. W. Popp, city engr.

Ont., Brussels — Plans 100 ft. concrete and steel truss highway bridge, 40 ft. $25,-000. T. R. Patterson, Goderich, engr.

Ont., Toronto—Making plans rebuilding concrete or structural steel bridge, concrete foundation, over Dundas St. W. $320,000. R. C. Harris, City Hall, engr. Noted Feb. 11, 1926.

Ont., Toronto—East York Twp. plans 600 ft. concrete or concrete and structural steel bridge, 117 ft. high over Massey Creek Ravine, on Coxwell Ave. $250,000. H. E. Goddard, 54 Sammon Ave., twp. clk.

Ont., Toronto—York Co., R. W. Phillips, County Bldgs., clk., making plans replacing present rein.-con. Lambton Mills and Brown Hill Bridges with new concrete bridges. $25,000. Engineer not selected.

Ont., Windsor—Making plans widening Caron Ave. bridge, concrete, rein.-con. and structural steel. $75,000. M. C. Brian, City Hall, engr.

Ont., Woodstock—Plans replacing present bridge with 100 ft. concrete and rein.-con. highway bridge, on Mill St. $25,000-$30,000. F. J. Ure, Woodstock, engr.

Bids Desired

New York—Feb. 21, at office Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, foundations and abutments for Peekskill Creek Viaduct, Bronx Parkway extension, near Peekskill, Contr. 141; also Feb. 23, 2 stone faced bridges in Hutchinson River Parkway, Weaver St., New Rochelle and Scarsdale, and one Old Mamaroneck Rd., Scarsdale. J. Downer, ch. engr.; adv. E. N.-R. Feb. 17.

N. Y., New Rochelle—Mar. 1, at office Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, stone and concrete faced structural steel bridge to carry Hutchinson River Parkway over tracks New York, Westchester & Boston Ry. south of Quaker Ridge Station, here. J. Downer, ch. engr.; adv. E. N.-R. Feb. 17.

Pa., Birdsboro—Mar. 3, at office T. R. Houck, controller Berks Co., Court House, Reading constructing rein.-con. bridge, etc. over Schuylkill River and Philadelphia & Reading R.R. tracks, here; adv. E. N.-R. Feb. 17.

N. C., High Point—See "Waterworks."

Wisconsin—Feb. 24, by Commissioners Buffalo, Trempealeau and Vernon Counties, Court House, La Crosse, (**S. P. means State Project**), Whitehall Bridge on S. P. 5976, Trempealeau Co.; Langaard Bridge, S. P. 5989, City of Mondovi, Buffalo Co.; Billing Creek Bridge, Sta. 810 plus 10, Kickapoo Bridge, Sta. 970 plus 60, Ontario Bridge, Sta. 987 plus 45, and Stoddard Bridge, Sta. 1020 plus 20, all Vernon Co. T. M. Reynolds, Batavian Natl. Bank, Bldg., La Crosse, div. engr.

Wis., Racine—Mar. 2, by H. A. Nelson, comr. Dept. Pub. Wks., 148 ft. double leaf underneath counter-weight type Strauss trunnion bascule bridge, etc. over Root River, at Main St. Strauss Bascule Bridge Co., 307 North Michigan Ave., Chicago, Ill., engrs. Noted Aug. 5.

Kan., Wamego — Mar. 4, by Clerk Pottawatomie Co., Westmoreland, seven 128 ft. span concrete arch bridge, or six 150 ft. span high truss steel bridge, on Federal Aid Project 243-A, here, for Pottawatomie Co. (Westmoreland), and Wabunsee Co. (Alma). L. F. Whearty, Westmoreland, co. engr.

Neb., Broken Bow—Mar. 1, by H. R. Knapp, clk. Custer Co., constructing (yearly contract) bridges at various locations.

Ariz., Tombstone — Mar. 7, by Comrs. Cochise Co., constructing Bridge 1, 75 ft. steel span, 18 ft. roadway, etc., on Double Adobe-Forrest Ranch Rd.; Bridge 2, one 75 ft. steel span or two 60 ft. concrete, 24 ft. roadway, etc., on Don Luis-Naco Rd.; Bridge 3, 75 ft. steel span, 18 ft. roadway, on Palominas Rd.; Bridge 4, 100 ft. new span and salvaging, repairing and re-erecting, now approximately 300 ft. from site, on Hereford-Ft. Huachuca Rd.; and Bridge 5, 300 ft. steel span, on Benson-Dragoon Rd. S. Smyth, co. engr.

California—Feb. 28, by State Hy. Comn., Sacramento, 100 ft. steel truss and two 25 ft. concrete approach span bridge over Sonoma Creek, Sonoma Co. R. M. Morton, highway engr.

Calif., Schellville—Feb. 28, by State Hy. Dept., Sacramento, 100 ft. steel truss and two 25 ft. concrete approach span bridge, 1 mi. west of here, Sonoma Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Bids Received

Mass., Winchendon—Town, concrete and granite bridge over Mason and Parkers Pond, Spring St., from Aberthaw Co., 80 Federal St., Boston, $27,300. Noted Jan. 13.

N. Y., Peekskill—Westchester Co. Park Comn., 72 Pondfield Rd., Bronxville, Feb. 14, constructing West approach Peekskill Creek Viaduct, on Bronx Parkway, extension near here, from B. V. Scofield, 8 Bayview Ave., Beacon, $64,350. Noted Jan. 27.

Pa., Reading—Office City Clerk, Feb. 2, 900 ft. rein.-con. arch bridge on Mineral Springs Rd., from Whitaker & Diehl, Union Trust Bldg., Harrisburg, $318,387. Noted Jan. 13.

Wash., Tacoma—Bd. Pub. Wks., Feb. 1, rein.-con. bridge across North Proctor St., from Olympic Constr. Co., 1326 Northlake Ave., Seattle, $132,944. Engrs. est. $140,-000. Noted Dec. 16.

Contracts Awarded

New Jersey—State Hy. Comn., Trenton, three 8½ ft. span concrete half through plate girder bridge over Passaic River, M. P. 13.5, on Route 12, Essex and Passaic counties, to Northern Constr. Co., 423 Amherst St., East Orange, $116,205. Noted Dec. 9.

Fla., Green Cove Springs—For Shands Bridge 10,000 ft. long creosoted pile trestle to have 100 ft. single leaf Strauss bascule span, and 20 ft. roadway over St. Johns River, to Fred T. Ley Co., 578 Madison Ave., New York City, N. Y.

Ia., Clinton—Clinton Co., 2 pony truss bridges on Federal Aid Project 302, to L. Schnede, Wheatland, $40,215. Noted Jan. 6.

Ia., Iowa City—Johnson Co., 1 pony truss bridge and 32 box culverts and 16 culverts, to Iowa Bridge Co., 1901 Eastern Blvd., Des Moines, $26,630.

Kan., Girard—Crawford Co., 101 ft. 9 in. bottom chord arch bridge incl. 63,716 lb. reinforcing, and 48,000 lb. structural steel, etc. and 0.914 roadway approach, Federal

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Bridges (Continued)

Aid Project 346-B, to F. Luttjohann, 2053 Kansas St., Topeka, $19,024 and $17,701 respectively.

Neb., Auburn—Missouri Pacific R.R. Co., E. A. Hadley, ch. engr., Ry. Exch. Bldg., St. Louis, Mo., reconstructing steel and concrete railroad bridge, here, to Kansas City Bridge Co., 510 Orear-Leslie Bldg., Kansas City, Mo. Engrs. est. approximately $25,000.

Mo., St. Joseph—Three 35 ft. rein.-con. deck girder span bridge over Chicago Great Western R.R. tracks, also 30 ft. span rein.-con. subway under Lovers Lane, to Carrothers & Huggins, 310 Walsix Bldg., Kansas City, $16,963 and $18,099 respectively. Noted Jan. 27.

Tex., Ft. Worth—City, O. E. Carr, mgr. new bridge across Sycamore Creek, to L. T. Stamford, 1217 St. Louis Ave., $31,254.

Tex., Panhandle — See "Streets and Roads."

Wash., Everett — See "Streets and Roads."

Oregon—State Hy. Comn., Salem, bridge, on State Project 127-B, Josephine Co., to O. N. Pierce, Portland, $25,915.

Dams

Proposed Work

Calif., Montecito—Montecito Co. Water Dist., made surveys dam at Juncal site on Santa Ynez River. To exceed $500,000. C. Wyant, Montecito, resident engr. Leeds & Barnard, Central Bldg., Los Angeles, consult. engrs.

Calif., Susanville — J. A. Mehling, 628 Montgomery St., San Francisco, plans 80 x 180 x 100 x 20 ft., loose rock and concrete dam, and approximately 9 mi. ditches in connection with irrigation of approximately 8,000 acres. To exceed $100,000.

Railways

Proposed Work

Massachusetts—Boston Elevated Ry. Co., Park Sq. Bldg., Boston, plans extending Rapid Transit System, incl. construction surface tracks in various streets, in Dorchester. $25,000. H. C. Hartwell, engr.

Massachusetts—Walworth Mfg. Co., 88 Pearl St., Boston, plans railway steam power tracks across C, West 1st, East 1st, and Cypher Sts., etc. from tracks of New York, New Haven & Hartford R.R., in South Boston. $25,000 or more. Private plans.

West Virginia—Sewell Valley R.R. Co., Rainewell, W. Va., T. W. Raine, ch. engr., plans extending 12 mi. railroad from point on Glencoe and Duo Branch at or near Rupert to point near Duo, Greenbrier Co.

Alabama—See "Contracts Awarded."

Ohio—Cincinnati, Hamilton & Dayton R.R. Co., 3rd Natl. Bldg., Dayton, J. H. McClure, vice pres., plans reconditioning track between Dayton and Cincinnati, building new sub-stations, remodeling new car barn at Moraine City near Dayton, and installing new electric passenger cars. $700,000.

Minnesota and South Dakota — Minnesota Western R.R. Co., E. D. Luce, vice pres., 2823 6th Ave. N., Minneapolis, making plans 65 mi. steam railway extension between Montevideo, Minn., and Brookings, S. D. $1,000,000. J. Olson, c/o owner, ch. engr.

South Dakota—Chicago & Northwestern R.R. Co., W. J. Towne, ch. engr., 226 West Jackson Blvd. and Franklin Sts., Chicago, Ill., plans 12 mi. railroad extension from Nisland to point 2.5 mi. northeast of Vale, here.

British Columbia — Powell River Co., Powell River, P. Sandwell, ch. engr., making plans new logging railway from Seaford to timber limits. $750,000.

Bids Desired

California—Feb. 23, by W. J. Fitzgerald, secy. Bd. Pub. Wks., San Francisco, special track work for municipal railway system, in San Francisco. $50,000. M. M. O'Shaughnessy, San Francisco, city engr.

Bids Received

Missouri—See "Waterworks under St. Louis, Mo."

Oklahoma — Chicago, Rock Island & Pacific Ry. Co., La Salle St. Sta., Chicago, Ill., C. A. Morse, ch. engr., making preliminary plans 3 mi. new storage yard tracks at Shawnee, $100,000; and made surveys new 5 mi. spur from Seminole to tank farm in Bowlegs oil field, $250,000, here.

Contracts Awarded

Alabama—Muscle Shoals, Birmingham & Pensacola R.R. Co., c/o St. Louis-San Francisco R.R. Co., Frisco Bldg., St. Louis, Mo., F. G. Jonah, ch. engr., grading right-of-way, bridging and trestle work on 93.5 mi. new lines between Kimbrough and Aliceville, also 42.7 mi. from Kimbraugh to Demopolis, here, to J. A. Kreis & Son, Knoxville, Tenn.; and 50.8 mi. from Dempolis to Aliceville, here, to S. G. Kersaw Contg. Co., Woodward Bldg., Birmingham, Ala. Laying rails, ballasting, etc. advertised later. Noted Dec. 9.

California—Sugar Pine Lumber Co., 1st Natl. Bank Bldg., San Francisco, approximately 12 mi. narrow gauge railroad, incl. light grading, in Madero, to Englehart Paving & Constr. Co., Eureka.

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Excavation, Drainage, Irrigation, Levees, River and Harbor

Proposed Work

Massachusetts — Dept. Pub. Wks., Boston, plans widening, depeening and dredging Monatiquot River from Hull to East Braintree. $30,000. Cost to be borne by State and towns of Braintree and Weymouth. W. F. Williams, comr.

New York—T. F. Farrell, comr. Canals & Waterways, Albany, soon takes new bids bank protection at various locations, Sects. 2, 3 and 4, along Erie Canal from Crescent to Frankfort; along barge canal from Lock 7 to Utica; and dredging channel of barge canal above Troy-Cohoes Bridge. Noted Jan. 13.

N. Y., Buffalo—Plans excavating rock ledge in Buffalo River Channel, near Hamburg St. $80,000. C. E. P. Babcock, city engr.

Fla., Fort Lauderdale—City Comn. plans 4,000 ft. seawall along North and South River Drs. $120,000. R. F. Goodman, city engr.

Neb., Gothenburg — Thirty Mile Canal Co., F. E. Parkham, pres., indefinitely postponed taking bids constructing 30 mi. canal, 26 concrete and steel bridges and 40 mi. laterals, etc. $256,000. C. A. Edwards, Gothenburg, engr. Noted Dec. 16.

Tex., Mikeska—Water Impvt. Dist., c/o Corpus Christi, making preliminary surveys 5,000 ft. earth dam, 85 ft. high, on Nueces River, impounding 500,000 acre ft. water for Corpus Christi water supply and irrigation, near here. $5,000,000. J. B. Hawley, 403 Cotton Exch Bldg., Ft. Worth, engr.

Calif., Susanville—See "Dams."

Bids Desired

Ill., Virginia—Feb. 21, by Comrs. South Beardstown Drainage and Levee Dist. at office G. Petfish, clk. Cass Co. Court, 156,-420 cu.yd. excav., 6,759 ft. 4 wire fence and posts in place and pump station, etc. Goodell & Millard, Beardstown, civil engrs.

Ia., Atlantic—Feb. 24, by J. M. Ward, aud. Cass Co., 441,800 cu.yd. excav., in main ditch and Laterals 1 and 2, and depositing 17,600 cu.yd. excav. in dam, for East Nishna-Borna D. D. 6.

Tex., Houston — See "Contracts Awarded."

Bids Received

N. Y., Buffalo—Dredging 200,000 cu.yd., constructing 2,100 ft. steel and timber bulkheads, and driving 1,000 lin.ft. wood sheeting in Park Lane, Delaware Park, from V. Schiavi, 57 Choate Ave., $244,600.

Contracts Awarded

New York—T. F. Farrell, comr. Canals & Waterways, State Pub. Wks. Bldg., Albany, bank protection of barge canal between Utica and Rome, Contr. M-25, to Weiss, Parrish & Klein, Fort Edward, $30,489 engrs. est.; repair to timber work in canal terminal structures at New York City, Contr. M-26, to Allen N. Spooner & Sons, Inc., Pier 11, North River, $28,364, engrs. est. $33,939. Noted Jan. 20.

Ark., Lonoke—D. D. 11, Lonoke Co., to F. M. Robins, New Madrid, Mo., 140,000 cu.yd. excav. at $0.16 per cu.yd., and 65 acres right-of-way at $25 per acre.

Tex., Houston — Trinity Portland Cement Co., Santa Fe Bldg., Dallas, will build retaining wall and wharf, by day labor. $125,000. D. M. Duller, Houston, engr. Driving piles and steel sheet piles to be done by separate contracts.

Idaho, Bonners Ferry—F. A. Shultes, S. L. Houck and G. Andrews, comrs. D.D. 6, ditching and diking, incl. filling Andrews Washout Jerome, Lucas Creek, and Mission Creek Sloughs, to W. H. Puckett & Co., Boise, approximately $100,000.

Streets and Roads

Proposed Work

Mass., Quincy (Ind. br. Boston)—Plans widening Chestnut and Maple Sts. $[illegible]-000 or more. Private plans.

Mass., Winchester — Plans widening Hemingway St. $25,000 or more. Private plans.

N. J., Newark—City authorized $46,[illegible]00 bonds, grading playground of Newark School Stadium.

N. J., Princeton—Princeton Boro, B. F. Bunn, chn. street com., plans improving various streets. $59,500. Engineer not selected.

Pa., Carnegie—Boro of Carnegie, H. R. Bingham, secy., making plans widening Chartiers St. $60,000. W. W. Andrews, Jones Law Bldg., Pittsburgh, engr.

N. C., Greensboro—Guilford Co. plans grading 3 mi. extension South Elm St., 50 ft., incl. bridge over Buffalo Creek. $30,-000. C. O. Lowe, Greensboro, engr.

N. C., Siler City—Plans paving various streets. $185,000.

Fla., Fort Lauderdale — Making plans improving North and South River Drs. between East and Andrews Aves., incl. sidewalks, curbing, parkways, lighting system, etc. R. F. Goodman, city engr. Noted Jan. 20.

Fla., Miami—Making plans oil macadam, asphalt or concrete paving 56 streets; concrete paving 10 streets; sheet asphalt paving 11 streets; and sidewalks on 68 streets. $2,018,000.

Miss., Yazoo City—Takes bids in spring, grading, curbing and asphalt on concrete paving 10 blocks Canal, Washington, Monroe and Jefferson Sts.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making plans improving 2 mi. Wanatchie Pike. To exceed $25,000. C. N. Bass, highway comr.

Tennessee—State Dept. Highways & Pub. Wks., Nashville, making surveys grading, bridging, etc. 5 mi. Valden-Dayton Rd., State Road 29, Hamilton Co. To exceed $25,000. C. N. Bass, highway comr.

O., Akron—Comrs. Summit Co. take bids in spring grading, paving, etc. 0.72 mi. Norton Ave. (Barberton City), 30 ft., rein.-con. $61,600, asphalt $67,700; also 1.55 mi. New Portage-Uniontown Rd., 18 ft., rein.-con. $82,500, asphalt $90,000. H. G. Sours, Court House, engr.

O., Alliance—Bd. Control takes bids in spring improving Overlook Dr. from Linwood Rd. to Parkway Blvd. $26,220. H. Anderson, Alliance, engr.

O., Cincinnati—Plans curbing, sidewalk and sheet asphalt repaving 6,900 sq.yd. and granite block repaving 3,125 sq.yd., etc. Walnut St., $62,095; sheet asphalt repaving 16,000 sq.yd. and vertical fibre brick repaving 14,150 sq.yd., etc. Reading Rd., $201,395; also Durax repaving 30,000 sq.yd., etc. Reading Rd., $256,195. C. O. Sherrill, City Hall, engr.

O., Portsmouth—Making plans grading and brick, cement or bituminous macadam paving, etc. 6,800 ft. 29th St., Lombard Alley, Willow and Ridge Ways, and Circle and Dorman Drs.; also grading, paving and widening 780 ft. 6th St., 24 ft. $87,000. C. S. Stevenson, city engr. This corrects report in Feb. 3 issue under "Columbus."

O., Shaker Heights (mail Cleveland)—O. P. and M. J. Van Sweringen, Marshall Bldg., Cleveland, plan improving Shaker Blvd., etc. To exceed $1,000,000. F. A. Pease Eng. Co., Marshall Bldg., Cleveland, engrs.

Mich., Detroit—Plans grading and 6 in. concrete paving 85 alleys. P. A. Fellows, City Hall, city engr.

Ill., Belleville—Takes bids about Mar. 1, grading, curbing, concrete paving, etc., 16,-800 sq.yd. Belleville Park Dist. $52,390. C. A. Heinzelman, City Hall, engr. Noted Sept. 2.

Ill., East St. Louis—Takes bids in spring or early summer, grading, curbing, asphalt paving, etc. 15,000 sq.yd. Central Ave. and 8 in. concrete paving, etc. 16,600 sq.yd. 16th St., $82,200; grading, curbing, 8 in. rein.-con. paving, etc., 1,310 sq.yd. 18th St. $6,000, 10,940 sq.yd. Winstanley Ave. $51,100, and 4,000 sq.yd. 47th St. $21,700; also removing old brick, curbing, asphalt resurfacing, etc. 5,800 sq.yd. Broadway

Streets and Roads (Continued)

Viaduct, $30,300. W. McK. Brown, city engr. Noted Feb. 18, 1926.

Ill., Evanston—Bd. Local Impvts. making plans and takes bids probably in spring concrete paving 1.375 mi. Dodge Ave., 52 ft. with 2.5 mi. sidewalks on each side, $310,000; concrete paving 0.5 mi. Asbury Ave., 36 ft. with 1 mi. 10 ft. sidewalks on each side, $120,000; and 1 mi. Oakton Ave., 40 ft., $163,000. A. Loag, City Hall, engr.

Ill., Riverside—Making plans concrete paving 15,000 sq. yd. Kemp Rd. and Quincy St. $90,000. Marr, Green & Co., 400 North Michigan Ave., Chicago, engrs.

Ia., Clinton—Making plans 6 and 7 in. concrete, sheet asphalt, brick and warrenite paving 68,000 sq.yd. various streets. B. A. Anderson, city engr.

Ia., Davenport—Making plans rein.-con. paving 7,000 yd. and asphalt concrete paving 10,000 yd. various streets, also concrete paving 20,000 yd. various alleys. L. E. Sneary, city engr.

Ia., Des Moines — Plans widening and paving 16 blocks Euclid Ave., and 4 blocks 6th Ave., also repaving 8 blocks East 14th St. $500,000. K. Kastberg, city engr.

Ia., Dubuque—Making plans 6 in. concrete and 3 in. sheet asphalt paving 80,000 sq.yd. various streets. W. H. Cullen, city engr. Noted Sept. 2.

Ia., Manchester — Making preliminary plans grading, curbing and asphaltic concrete, rein.-con. or brick on concrete paving 7 blocks various streets. Barber & Schenk, 228 West 4th St., Waterloo, engrs.

Kan., Larned — Pawnee Co. making plans grading and sand clay surfacing 11.904 mi. Larned-Belpre Rd., Federal Aid Project 281-A, 18 ft. L. Harris, Court House, engr.

Kan., Paola—Miami Co. making plans brick, 6 in. concrete or bituminous macadam paving 5.3 mi. Paola-Oswatomie Rd. L. E. Keefer, Paola, engr.

Kan., Paola—Miami Co. Making preliminary plans grading, brick or concrete paving, etc. 6 mi. Paola-Osawatomie Rd., 18 ft. L. E. Keefer, Court House, engr.

Kan., Olathe—Johnson Co. takes bids in early spring grading, and concrete paving, etc. 6 mi. Federal Aid Project 246-E, U. S. Highway 71-E; grading, and brick or concrete paving, etc. 5 mi. Federal Aid Project 360-A and 5 mi. Federal Aid Project 293-A; and grading, etc. 3 mi. Federal Aid Project 315-D. E. J. Terrill, Court House, engr.

Neb., Falls City—Comrs. Richardson Co., plan grading and graveling 20 mi. various roads. B. C. Dale, Falls City, co. engr.

N. D., Fargo—Plans paving 7 blocks Bway., 6th, 7th and 8th Sts. $60,000. R. T. Jacobson, city engr.

Mont., Livingston—Making plans grading, curbing, and 6 in. concrete paving, etc. 32,000 sq.yd. 16 blocks various streets. $96,000. G. W. Mason, city clk.

Mo., Kansas City—Making preliminary plans paving Walnut St. between 7th and 19th Sts. $25,000. R. Waddell, city engr.

Mo., Huntsville—Randolph Co., election Mar. 1, $750,000 bonds, improving various state and county roads. Noted Dec. 23.

Arkansas—State Hy. Dept., Little Rock, plans concrete paving 30 mi., graveling 320 mi., and grading 250 mi. roads in various counties. $5,000,000. O. L. Hemphill, Little Rock, engr.

Ark., Little Rock—Making preliminary plans grading, curbing and concrete, asphalt, asphaltic concrete or other hard surfacing 6 blocks Booker St., Paving Dist. 460. Engineer not selected.

Tex., Abilene—Taylor Co. making plans grading, bridging etc. 15 mi. Highway 30, 26 ft., $120,000; and bituminous macadam paving 5.74 mi. Highway 1, 18 ft. $150,000. L. C. McCanlies, Abilene, resident engr.

Tex., Alamo—Takes bids after Feb. 22, rock asphalt on gravel paving 50,000 sq.yd. various streets in business district. $35,000. Address J. G. Cox, Alamo, co. judge. Noted Feb. 10.

Tex., Anson—Jones Co. making plans rein.-con. paving 1.4 mi. Highway 18, 18 ft. $35,000. J. W. Puckett, Stamford, co. engr.

Tex., Archer City—Archer Co. voted $1,500,000 bonds, hard paving 120 mi. various highways. Address E. M. Hooper, co. judge. Noted Jan. 6.

Tex., Batesville — Zavalla Co. making plans grading, bridging and 1 in. asphalt on rock paving 24 mi. Highway 55, 18 ft. $480,000. G. M. Jowers, Batesville, co. engr.

Tex., Decatur—Wise Co. making plans crushed stone paving 7.765 mi. Highway 39, 18 ft. $138,800. H. R. Hays, Decatur, co. engr.

Tex., Denton—Denton Co. making preliminary plans hard paving 28 mi. main highway. $500,000 bond election soon for same. Address B. C. Jackson, Denton, co. judge.

Tex., Graham—Young Co. making plans grading, bridging, etc. 3.97 mi. Highway 24, 26 ft. $32,000. H. R. Johnston, Graham, Co. engr.

Tex., Houston—Made plans asphalt or brick on 6 in. concrete paving 12,600 lin.ft. Navigation Blvd. from North Buffalo St., to Houston Belt & Terminal tracks, with two 30 ft. roadways and 30 ft. esplanade; also 6,600 lin.ft. Navigation Blvd. from Wayside Dr. to International-Great Northern R.R. tracks, 60 ft. roadway. $630,000. J. C. McVea, city engr.

Tex., Houston—Making plans 2 in. rock asphalt on 6 in. concrete paving 2,500 ft. Capital Ave., 52 ft. $67,106. J. C. McVea, city engr.

Tex., Houston—Harris Co. making plans paving Houston Ave. Extension Rd. $175,000. Howe & Wise, Houston, co. engrs.

Tex., Hebbronville—Jim Hogg Co. making plans asphalt paving 5.48 mi. Highway 12-A, 18 ft. $37,000. E. J. Foster, Hebbronville, co. engr.

Tex., Jourdanton — Atascosa Co., plans rock asphalt on macadam paving 9.09 mi. Highway 9. $207,900. J. V. Curnutte, Jourdanton, engr.

Tex., Leaky — Real Co. making plans crushed stone and macadam paving 18.07 mi. Highway 41, 18 ft. $66,000. S. K. Mason, Leaky, engr.

Tex., Mercedes—Making plans permanent paving main streets new townsite Santa Rosa, near here. $65,000. H. E. Bennett, Mercedes, engr.

Tex., Pittsburg—Camp Co., plans triple bituminous treatment on macadam paving 5.019 mi. Highway 65, 18 ft. $98,000. C. Chappell, Pittsburg, co. engr.

Tex., Richmond—Ft. Bend Co. making plans 6 in. gravel, 6 in. crushed stone and 3 in. bituminous macadam paving 7 mi. Highway 3. $185,000. C. H. Kendall, Sugarland, engr.

Tex., Rockport—Aransas Co. making plans rock asphalt paving 3 mi. Highway 16, 18 ft. $30,000. F. M. Percival, Rockport, co. engr.

Tex., San Benito—Voted $60,000 bonds, permanent paving various streets. Address Mayor.

Tex., Stamford—Jones Co. making plans rein.-con. paving 15.27 mi. Highway 18, 18 ft. $380,000. J. W. Puckett, Stamford, engr.

Tex., Sulphur Springs — Hopkins Co. making plans rein.-con. paving 8.3 mi. Highway 1, extending west from Franklin Co. line, $230,000; also 8.9 mi. same road extending east of Sulphur Springs, $240,000, both 18 ft. J. E. Nolen, Sulphur Springs, co. engr.

Tex., Uvalde—Uvalde Co. making plans grading and bridging, etc. 8.6 mi. Highway 55, 26 ft. $48,000. M. B. Hodges, Uvalde, co. engr.

Oklahoma—State Hy. Dept., Oklahoma City, made surveys grading, etc. 18 mi. Nowata-Bartlesville Rd., 30 ft., Nowata Co. $175,000. J. M. Page, highway engr.

Okla., Anadarko—Caddo Co. made surveys constructing 100 mi. roads, 30 ft. $1,000,000. J. M. Page, Capitol Bldg., Oklahoma City, highway engr.

Okla., Blackwell—Plans grading, curbing, guttering and vertical fibre brick paving 14,200 sq.yd. streets in Dist. 38. $58,800. W. Rizhaupt, Blackwell, engr. Noted Feb. 3.

Okla., Buffalo—Plans grading, curbing and sheet asphalt paving 9,730 sq.yd. Main St. $42,200. Musson & Co., Grain Exch. Bldg., Oklahoma City, engrs.

Okla., Cherokee—Plans concrete paving 9,010 sq.yd. 3rd, 5th and Nebraska Sts. $27,460. Peckham & James, 227 West Grand St., Oklahoma City, engrs.

Okla., Cushing—Plans grading and concrete paving 8,740 sq.yd. 2nd, Wilson and Maple Sts. $29,470. G. Estey, Cushing, city clk.

Okla., Depew—Plans grading, curbing and vertical fibre brick paving 7,150 sq.yd. Main St. $34,460. C. A. Wood, Stillwater, engr.

Okla., Enid—Plans grading, curbing and concrete paving 9,600 sq.yd. Garland, Houston and 17th Sts. $33,210. F. C. Magruder, Enid, engr.

Okla., Hollis—Plans grading, curbing and concrete paving 21,790 sq.yd. Dist. 11. $71,340. Gantt-Baker Co., 1116 West Main St., Oklahoma City, engrs.

Okla., Oklahoma City—Making preliminary plans grading and paving 12 blocks Westwood Addition, 30 ft. $55,000. B. M. Hart, City Hall, engr.

Okla., Pawhuska—Osage Co. voted $100,000 bonds, graveling 70 mi. roads in Caney Twp. W. N. Clark, Pawhuska, engr. Noted Jan. 13.

Okla., Tecumseh—Plans grading, curbing and concrete paving 10,840 sq.yd. 2nd, 3rd and 4th Sts. $37,390. F. D. Brown, Shawnee, engr.

Okla., Thomas—Plans concrete paving, etc. 10,220 sq.yd. Dist. 2. $32,400. C. Wilson, Weatherford, engr.

Okla., Tulsa—Plans grading, curbing and sheet asphalt paving 5,500 sq.yd. East 2nd St. $28,740. C. Schultz, City Hall, Tulsa, engr.

Okla., Watonga—Plans grading, curbing and concrete paving 8,100 sq.yd. Main St. $25,000. E. T. Holbrecht, mayor. Engineer not selected.

Ore., St. Helens—Columbus Co. plans constructing roads. $300,000-$350,000. G. G. Hall, St. Helens, roadmaster.

California—State Hy. Dept., Sacramento, plans relocating, grading and surfacing, etc., 0.9 mi. Black Point cutoff, near Fairville, Sonoma Co.; grading and rock surfacing in preparation for oiling road from Estrella River easterly, San Luis Obispo Co.; reconstructing 3.7 mi. road between La Mesa and El Cajon, San Diego Co.; and clearing right-of-way preliminary to grading Redwood Highway between Orick and point 14.9 mi. north Humboldt Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Arcata—Plans paving, etc., various streets. To exceed $25,000. C. C. Kennedy, Call Bldg., San Francisco, engr.

Calif., Hawthorne—Plans curbing, walks and 7 in. asphaltic concrete paving, etc. portions Hawthorne Ave. To exceed $25,000.

Calif., Hawthorne—Plans curbing, guttering, sidewalks, paving, etc. Jefferson Ave., West Delaware, and West Maryland Sts. To exceed $50,000. S. V. Fraser, city clk.

Calif., Los Angeles—Plans probably 8 in. concrete paving Sepulveda Blvd. between Ohio Ave. and Pico Blvds., etc.; and permanent paving Sunset Blvd. between Normandie Ave. and Laurel Canyon Rd. To exceed $50,000. J. Shaw, city engr.

Calif., Los Angeles—Making plans curbing, walks and Willite on asphaltic concrete paving Mott St. between Wabash Ave. and Whittier Blvd. To exceed $25,000. J. C. Shaw, City Hall, engr.

Calif., Los Angeles — Plans curbing, walks and concrete paving, etc., Whitley Terrace and Grace Ave. Impvt. Dist., curbing, walks and asphaltic concrete paving, etc., 10th St. and Averill Impvt. Dist.; and paving, etc., Madison Ave. between Normal Ave. and Beverly Blvd. To exceed $75,000. J. C. Shaw, City Hall, engr.

Calif., Los Gatos—Plans probably concrete paving 300,000 sq.ft. various streets. H. B. Fisher, Growers Bank Bldg., San Jose, engr.

Calif., Salinas—Made plans grading and 2 in. asphaltic concrete paving, etc., 213,650 sq.ft. Capitol and Lincoln Aves. To exceed $35,000. H. Cozzens, city engr.

Calif., San Bernardino—San Bernardino Co. plans extending approximately 7½ mi. Carbon Canyon Rd., to exceed $25,000; also asphaltic concrete paving 2 mi. Ramona Ave. H. L. Way, San Bernardino, co. surv.

Calif., San Carlos—Made plans grading, curbing, walks and asphalt oil and rock screenings on 4 in. waterbound rock macadam paving 693,000 sq.ft. portions Woodland and Park Aves., etc. G. A. Kneese, Courthouse, Redwood City, engr.

Calif., San Diego—Supervs. San Diego Co., plans grading, curbing, and 5 in. concrete paving 31,439 sq.ft., and 4 in. warrenite paving 353,712 sq.ft., streets in Rolando Unit 3. P. Watson, Spreckels Bldg., supt. works.

Calif., San Diego—Supervs. San Diego Co. plans grading, curbing, sidewalks and 6 in. concrete paving, etc., 182,900 sq.ft. Churchward St. F. A. Rhodes, city engr.

Calif., San Diego — Bd. Supervs. San Diego Co., plans grading, curbing, sidewalks and 6 in. concrete paving 16,840 sq.ft., 5 in. concrete paving 245,407 sq.ft., etc. Alton Dr., Eldore St., etc., Road Impvt. Dist. 36. P. R. Watson, Spreckels Bldg., supt. work.

Calif., San Francisco—State Bd. Harbor Comrs., Ferry Bldg., making plans paving Pier 41. $25,000. F. G. White, Ferry Bldg., engr.

Calif., San Francisco—State Bd. Harbor Comrs., Ferry Bldg., plans paving Jefferson St. $35,000. F. G. White, Ferry Bldg., engr.

Calif., San Jose—Plans curbing, guttering, walks and paving approximately 2,000,000 sq.ft. various streets. $500,000. W. Popp, city engr.

Calif., Santa Barbara—Plans grading and graveling new road from foot of San Marcos Pass to San Lucas bridge. $300,000.

Calif., Santa Barbara—Made plans curbing, guttering and 1½ in. asphaltic concrete

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Streets and Roads (Continued)

surfacing 306,000 sq.ft. Cacique St., Jennings Ave., etc. To exceed $95,000. C. W. Moore, city engr.

Calif., Vallejo—Plans paving 150,000 sq. ft. various streets. $50,000. T. D. Kilkenny, city engr.

Ont., Chatham—Kent Co. making plans concrete paving approximately 10 mi. highways. $237,000. W. D. Colby, County Bldgs., engr.

Ont., Fort William—Making plans 6,000 ft. 6- to 24-in. c.i. mains in various streets. $30,000. C. B. Symes, City Hall, engr.

Ont., Fullerton—Perth Co. plans concrete paving various highways. $250,000. J. R. Mitchell, Fullerton, engr.

Ont., Hamilton — Plans opening and grading Edward St.; extending Houghton and Glenfern Aves.; asphalt and macadam paving Queen St., Newlands, Fairfield, Oak and Smith Aves. $25,000. W. L. McMaul, City Hall, engr.

Ont., Kitchener—Suburbna Roads Comn. plans concrete paving 2 mi. various roads. $50,000. J. S. Schwarz, c/o owner, engr.

Ont., Orangeville—Plans concrete paving Prince of Wales Rd. and Mill St. $35,000.

Ont., Ottawa—Plans concrete curbing, guttering and asphalt on concrete paving Main St.; paving and widening Nicholas St. $48,000. A. F. Macallum, City Hall, engr.

Ont., Ottawa—Suburban Roads Comn., 279 Carling Ave., making plans asphalt paving 1½ mi. Metcalfe Rd., 16 ft. $30,000. A. K. Hay, Carling Ave., engr.

Ont., Ottawa — Suburban Rd. Comn. plans new roads throughout city. A. K. Hay, 1 Findlay Ave., engr.

Ont., Paisley — Plans concrete paving Queen St. $30,000. J. C. Gibson, Town Hall, engr.

Ont., Pembroke—Renfrew Co., County Bldgs., soon takes bids constructing various roads. $27,557. W. J. Moore, Pembroke, engr. Noted Jan. 14, 1926.

Ont., Sarnia—Lambton Co. making plans grading, gravel, macadam and concrete paving county road. $185,000. G. A. McCubbin, Box 389, Chatham, engr.

Ont., Sarnia — Suburban Road Comn., making plans probably concrete paving approximately 1 mi. Beach Rd. $25,000. G. A. McCubbin, Chatham, engr.

Ont., Toronto—City Council making plans asphalt on concrete paving Benlamond Ave.; and concrete paving 2 lanes. $29,325. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans granite block paving Queen St. W. Subway; concrete sidewalks on Haskin Ave., opposite various school properties, and safety zone at Bloor and Parliament Sts. $32,140. R. C. Harris, City Hall, engr. Noted Feb. 10.

Ont., Toronto—Plans granite block repaving 6,000 sq.yd. King St. Subway and approaches. $31,857. R. C. Harris, City Hall, engr.

Ont., Toronto — Plans asphalt paving Queen St. Bridge over River Don; and paving, etc., Eastward Ave. at Woodward Ave. $30,433. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans asphalt on concrete paving York St., Queens Quay, Eglinton Ave. W., and Avenue Rd.; also concrete sidewalks on Duplex and Roe Aves. $252,969. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans asphalt paving Winchester St.; extending Queen St.; concrete safety zones on University Ave.; concrete steps on Springmount Ave.; and concrete sidewalks on Yonge St. and Queen St. W. $24,269. R. C. Harris, City Hall, engr.

Ont., Toronto—Plans curbing, guttering, grading, paving and rounding various street corners. $30,794. R. C. Harris, City Hall, engr.

Ont., Waterloo—Plans probably concrete or macadam paving 1 mi. Bridgeport Rd. $25,000. C. E. Necker, Town Hall, engr.

Ont., Woodstock—Plans curbing, guttering and concrete or asphalt on concrete paving Ingersoll Rd. and streets adjacent to Dundas St $30,000. F. J. Ure, City Hall, engr.

B. C., North Vancouver—Making plans hard-surfacing 3rd St. $35,000. C. S. Hanes, City Hall, engr.

B. C., Point Grey — Provincial Government, Victoria, making plans and takes bids about Apr. 4, grading and permanent paving University Hill Sub-Division. $200,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

Bids Desired

N. Y., Buffalo—Feb. 21, by J. J. Love, comr. Dept. Pub. Wks., Municipal Bldg., repaving Woeppel St. and Rother Ave.; paving Gelston St., Ramsdell Ave., Drexel and Ridgewood Rds.

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N. Y., Highland—Mar. 9, by F. S. Greene, supt. Pub. Wks., Pub. Wks. Bldg., Albany, concrete paving 1.03 mi. West Approach Highway, Mid-Hudson Bridge, Ulster Co., Contr. 6; adv. E. N.-R. Feb. 17.

N. Y., New York—Feb. 25, by J. Miller, pres. Manhattan Boro, Municipal Bldg., widening and granite block on concrete repaving Bway., 3rd and Amsterdam Aves., and repairing asphalt pavements in railroad area, when and where directed.

New Jersey—Mar. 7, by State Hy. Comn., Trenton, double line rein.-con. paving 46,608 sq.yd. Route 16, Sect. 9 from Woods Tavern to Harlingen, Somerset Co. A. L. Grover, secy.; adv. E. N.-R. Feb. 17.

New Jersey — Feb. 28, by State Hy. Comn., Trenton, for Delaware River bridge approaches, incl. grading connecting road, Sects. 4A, 5, 6 and Route 6, Sect. 17, Collingwood to Westville, Camden Co. A. L. Grover, secy.; adv. E. N.-R. Feb. 10 and Feb. 17.

Pennsylvania — Mar. 4, by State Hy. Dept., Harrisburg, rein.-con. paving approximately 28 mi. 13 projects, in Berks Carbon, Fayette, Luzerne, Mercer, Northampton, and Washington Counties. J. L. Stuart, secy. highways; adv. E. N.-R. Feb. 17.

N. J., Pattenburg — Mar. 15, by Freeholders Hunterdon Co. (Flemington), oil penetration treating 7.5 mi. Spring Mills-Pattenburg Rd. G. Davis, Whitehouse Station, engr.

Md., Baltimore—Feb. 23, by Bd. Awards, furnishing material and flushing surfaces of roads and streets during 1927. S. Purcell, City Hall, highways engr.

D. C., Wash.—Feb. 21, by District Comrs., District Bldg., grading 13,700 cu.yd. various streets.

Virginia—Feb. 25, by State Hy. Comn., Richmond, purchasing and applying large quantity hot and cold bituminous material. C. S. Mullen, ch. engr.; adv. E. N.-R. Feb. 17.

Va., Suffolk—Feb. 19, at office Clerk, Nansemond Co., 6 in. surface treated macadam or bituminous macadam surfacing 77,301 sq.yd. Bennetts Creek Rd.

Fla., St. Cloud—Feb. 26, by City Comn., grading, paving, curbing and storm sewers in New York Ave., etc. L. E. Trickle, city engr.; adv. E. N.-R. Feb. 17.

Miss., Vicksburg — Feb. 21 (extended date), by Bd. Supervs. Warren Co., grading, curbing, guttering, scarifying and sheet asphalt, warrenite, asphaltic concrete, brick or Kentucky rock paving 15,315 sq.yd. National Cemetery Rd. Former bids rejected. E. J. Tucker, Court House, Vicksburg, and H. C. Dietzer, Jackson, engrs. Noted Jan. 13.

Kentucky—Apr. 1, by State Hy. Dept., Frankfort, grading, etc., 22 mi. Murray-Mayfield Rd., 60 ft. $40,000. E. N. Todd, highway engr.

O., Cincinnati—Feb. 21, by Director Pub. Serv., grading, walks and concrete repaving 8,000 sq.yd. Chandler St. $46,175. C. O. Sherrill, City Hall, engr.

O., Cincinnati—Feb. 25, by Comrs. Hamilton Co., grading, curbing, concrete paving 4,600 sq.yd. approaches to viaduct over Pennsylvania R.R., on 1 C.H. 8, $81,505; also grading, curbing and concrete repaving 22,000 sq.yd. Van Zandt Rd., $91,266. E. A. Gast, Court House, engr. Noted Feb. 3.

Ind., Evansville — Feb. 28, by Comrs. Vanderburgh Co., asphalt paving Covert Ave. Rd. $33,230. S. Bell, Evansville, engr.

Ind., Fowler—Mar. 7, by Comrs. Benton Co. constructing 42,152 ft. Windler, Stitz and Bessner Rds. $51,286. S. N. Geary, Fowler, aud.

Ind., Plymouth—Mar. 8, by Comrs. Marshall Co., constructing David McGriff, Wm. H. Myers and Jacob Heckaman Rds. $60,662. O. H. Weber, Plymouth aud.

Ind., Princeton—Feb. 21, by Bd. Wks. 50,000 gal. road oil containing 50% asphalt.

Mich., Centerville—Feb. 24, by St. Joseph Co., at Three Rivers, two course graveling 6.396 mi. Coon Hollow Rd. Dist. 24, 9 ft.

Mich., Marshall—Feb. 25, by D. P. O'Leary, recdr., concrete paving 2 mi. various streets.

Mich., St. Joseph—Feb. 23, by Berrien Co. Road Comn., graveling 5.98 mi. River, Kinney and Warren Watson Rds., and 5.22 mi. Spinks Corners Road Dist. 86.

Ill., Peoria — Feb. 21, by Bd. Local Impvts., C. Barston, pres., grading, curbing and paving ½ mi. Nowland St. $35,000. W. E. Backer, City Hall, engr.

Wisconsin—Feb. 23, by State Hy. Comn. and B. J. Kneeland, highway comr. Crawford Co., at Prairie du Chien, crushed creek graveling 5.5 mi. Boscobel-Fennimore Rd., and 1.15 mi. Boscobel-Westport Rd., S. T. H. 11; crushed stone surfacing 4,000 cu.yd. Patch Grove-Bridgeport Rd. S. T. H. 35, 4,000 cu.yd. Lancaster-Bloomington Rd., S. T. H. 35, 1,332 cu.yd. Jo[illegible]184, Five Points-Beetown Rd., 7,800 cu.yd. Montfort-Muscoda Rd., County Trunk Highway G, 500 cu.yd. Muscoda-Highland Rd. S. T. H. 80, 3,300 cu.yd. North Andover-Bloomington Rd., S. T. H. 133, 2,87[illegible] cu.yd. Potosi-Czssville Rd. C. T. H. O., 1,50[illegible] cu.yd. Potosi-Lancaster Rd., S. T. H. 129, 2,500 cu.yd. North Andover-Hackett Rd., C. T. H. U and Y, Town of Beetown, and 1,500 cu.yd. Potosi Lancaster Rd., S. T. H. 11

Wis., Appleton—Feb. 25, by E. [illegible] Williams, city clk., alternate types paving 24,838 sq.yd. 8 streets. To exceed $25,000.

Wis., Lancester — Feb. 23, by Auditor Grant Co., grading and crushed stone surfacing, etc. S. T. H. 61, Mckimmey Hill Rd., $40,000; S. T. H. 61, Sampson Hill Rd., $29,000; and S. T. H. 132, Woodman-Mt. Hope Rd., $29,700. H. Mink, co. highway comr. Noted Feb. 3.

Wis., Manitowoc—Auditor Manitowoc Co. taking bids and open same about Mar. 15, 6 in. concrete paving 8 mi. various roads, 20 ft. $250,000. O. W. Breuer, Manitowoc, co. highway. engr. Noted Dec. 2.

Wis., Racine—Mar. 1, by E. R. Fischer, highway comr. Racine Co., concrete paving, etc. 36,052 sq.yd. Raymond-North Cape Rd.

Wis., Tomah—Feb. 23, by E. Sowle, city clk., concrete, vibrolithic concrete, brick or asphalt penetration macadam paving, etc. 15,054 sq.yd. 5 streets and 1 alley. F. J. Davy, 1718 Madison St., La Crosse, engr. Noted Jan. 6.

Ia., Cedar Rapids — Feb. 24, at office Auditor Linn Co., graveling Secondary Road 7, 7,200 cu.yd. gravel and 131,000 additional ½ mi. units. A. F. Miller, Cedar Rapids, co. engr.

Ia., Estherville—Mar. 2, at office Auditor Emmet Co. graveling 8.5 mi. Secondary Road 36. F. A. MacDonald, Estherville, co. engr.

Ia., Iowa City—Feb. 23, at office Auditor Johnson Co., grading, paving, etc. 90,764 sq.yd. U. S. Highway 32, Federal Aid Project 289-B.

Ia., Orange City — Feb. 25, at office Auditor Sioux Co., graveling 11.47 mi. Secondary Road 119, 13,800 cu.yd. gravel 1 mi. haul, 109,800 units ½ mi. haul, 6,000 cu.yd. gravel strip.

Mo., St. Louis—Mar. 1, by Bd. Pub. Serv., 208 City Hall, rein.-con. paving, etc. 950 sq.yd. Jessica Ave. $5,600, and 1,665 sq.yd. Thrush St. $10,400; brick on concrete paving, etc. 3,440 sq.yd. Penrose St., $23,080; vibrolithic concrete paving, etc. 3,625 sq.yd. Marcus St., $16,520; shallow granite block paving, etc. 4,115 sq.yd. Theresa St. $32,000; and 4,880 sq.yd. 10th St. $29,520; asphaltic concrete paving 945 sq.yd. 37th St., $7,360; amiesite paving, etc. 4,300 sq.yd. Grace St., $31,920; also concrete paving Alleys in City Blocks 5235, 169 N, 5008 W, 5895, 5553, and 205 S, $23,400. W. W. Horner, 300 City Hall, engr.

Mo., St. Louis—Mar. 15, by Bd. Pub. Serv., 208 City Hall, grading and concrete paving 12,200 sq.yd. Alleys in City Blocks 865, 1420, 1303, 3017, 4103 N, 4391 C, 5133, 5324W, and 5463. $35,190. W. W. Horner, 300 City Hall, engr.

Tex., Abilene—Taking bids brick, concrete or warrenite bitulithic paving 5 blocks Orange St. $30,000. W. A. Riney, Abilene, engr.

Tex., Houston—Mar. 14, by H. L. Washburn, aud. Harris Co., Court House, constructing 5 mi. Houston Ave. Extension. Howe & Wise, 1st Natl. Bank Bldg., engrs.; adv. E. N.-R. Feb. 17.

Tex., Mercedes—See "Unclassified."

Tex., San Antonio—I. Ewig, city engr. and City Comn. taking bids and open same about Feb. 25, curbing, guttering and asphalt on concrete paving 40 blocks Theo Ave., Barrett and Belmont Pls., also 9 streets. $45,000 or more.

Idaho—Feb. 26, by Commissioner Pub. Wks., at office P. E. Oxley dist. engr., Pioneer Bldg., Lewiston, improving 3.763 mi. Camas Prairie Highway, Idaho Co., 29,330 cu.yd. excav., 264,000 cu.yd. overhaul, 5,200 cu.yd. crushed stone surfacing, etc.

California—Feb. 28, by State Hy. Dept., Sacramento, grading and concrete paving 3.7 mi. road between La Mesa and El Cajon, San Diego Co.; also concrete widening, and asphaltic concrete surfacing 4.5 mi. road between Athlone and south boundary, Merced Co. R. M. Morton, Strub Bldg., Sacramento, engr.

Calif., Los Angeles—Supervs. Los Angeles Co. taking bids grading, curbing, walks and rock and oil surfacing, etc. 304,028 sq.ft. Depot St., Co. Impvt. 513. G. W. Jones, Hall of Records, engr.

Streets and Roads (Continued)

Calif., San Carlos — Feb. 24, by J. M. Edling, town clk., grading, curbing, walks, asphalt oil and rock screening on 4 in. waterbound and rock macadam paving 693,000 sq.ft. Eaton St., Woodland and Oakhurst Aves., etc. G. A. Kneese, Courthouse, Redwood City, engr. Noted Feb. 10.

Calif., Santa Cruz—S. A. Evans, city clk., taking bids grading, curbing, walks and concrete paving, etc. portions Lower Plaza, Locust St., etc. To exceed $25,000. J. K. James, city engr.

Calif., San Diego—Feb. 28. by Common Council, curbing, sidewalks and 5 in. concrete paving, etc., 78,298 sq.ft. El Cajon Ave., 56th St., etc. F. A. Rhodes, city engr.

Calif., Ventura—Mar. 1, by Supervs. Ventura Co., improving Berylwood Rd., 575 cu.yd. "B" concrete in culverts, 144 cu.yd. "A" concrete in pavement, 34,000 lb. reinforcing, 14,500 yd. excav., etc. C. W. Petit, Ventura, co. surv.

Ontario—Mar. 7, by Dept. Pub. Highways, Toronto, concrete paving 101.64 mi. Contrs. 27-02, 03, 04, 05, 06, 07, 08, 09, 10, 11, 12, 13, 14, 15, 16, 17, 18, and 19; bituminous macadam paving 60.6 mi. Contrs. 27-13, 20, 21, 22, 23, 24, 25, and 26; bituminous concrete paving 0.8 mi. Contr. 27-27; bituminous macadam paving 17.34 mi. Contrs. 27-28, 29, and 30; waterbound macadam paving 8.6 mi. Contr. 27-31; also grading 11.3 mi. Contr. 27-32, 33, and 34. $3,000,000. R. M. Smith, Parliament Bldgs., Toronto, ch. engr. and deputy minister highways.

Ont., Toronto—Feb. 22, by T. Foster, mayor, City Hall, asphalt paving, sewers, filling, fencing and lighting, and concrete brick and cut stone gateway with iron gates, in connection with new eastern entrance into Exhibition Grounds at Strachan Ave. for Canadian Natl. Exhibition. $400,000. Chapman & Oxley, Northern Ontario Bldg., engrs. Noted Jan. 20.

Que., Quebec—Feb. 18, at office J. L. Boulanger, deputy minister, Government Bldg., approximately 720,000 gal. bituminous liquid on about 245 mi. roads.

Bids Received

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Feb. 9, grading, curbing, and flagging Brooklyn Ave., from Grimm Contg. Co., 8538 107th St., Richmond Hill $2,914; also 62nd and 73rd Sts., from W. J. McHale Contg. Co., 120 Jefferson St., $4,207 and $2,134 respectively. Noted Feb. 3.

N. Y., Brooklyn — J. J. Byrne, pres. Brooklyn Boro, Boro Hall, Feb. 9, from V. Peconi, 152 East 4th St., sewers in East 26th St. $3,929, 54th St. $3,504, and Avenue P $1,617; from P. J. Donlon Contg. Co., 82 South 3rd St., Kings Highway, $22,605; from F. Dellasalla, 7624 15th Ave., West 8th St. $5,954, 74th St. $3,457, Crescent Pl. $2,900, and Avenue N $2,211; from A. W. Matarazzo, 1163 61st St., East 51st St., $3,223; from Manmill Constr. Co., 2035 Douglas St., Bliss Terrace, $3,323, and Alabama Ave. $1,750. Noted Feb. 3.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, Jan. 31, improving with (a) petroleum asphalt (b) natural lake asphalt (c) bituminous concrete with asphalt resurfacing (d) bituminous concrete with natural lake asphalt (e) vitr. brick in (1) 2,850 sq.yd. South Carbon St. (2) 8,850 sq. yd. Third North St. (3) 2,770 sq.yd. Clarke St. (4) 18,310 sq.yd. Comstock Ave. (5) 11,320 sq.yd. Lodi St. (6) 3,740 sq.yd. Grumbach Ave. (7) 2,180 sq.yd. Isabella St. (8) 3,480 sq.yd. Leon St. (9) 2,000 sq. yd. Howard St. (10) 1,450 sq.yd. Malcolm St. (11) 7,350 sq.yd. First North St. (12) 2,560 sq.yd. Wolf St. (13) 3,420 sq.yd. Elm St. (14) 3,740 sq.yd. Hixson Ave. (15) 6,220 sq.yd. South Ave. from G. B. Dickison, Union Bldg. (a1) $15,708 (b1) $16,115 (c1) $15,324 (d1) $15,732 (a4) $76,499 (b4) $79,257 (b5) $73,570 (d4) $76,327 (a5) $50,515 (b5) $52,176 (c5) $48,746 (d5) $50,407 (a6) $17,480 (b6) $18,010 (c6) $16,972 (d6) $17,503 (a7) $12,685 (b7) $12,933 (c7) $12,463 (d7) $12,713 (a12) $12,572 (b12) $12,964 (c12) $12,178 (d12) $12,571; from Rago Bros., Inc., Union Bldg., (a2) $43,522 (b2) $44,717 (c2) $42,175 (d2) $43,370 (a3) $13,162 (b3) $13,561 (c3) $12,742 (d3) $13,144 (a8) $17,733 (b8) $18,246 (c8) $17,185 (d8) $17,700 (a9) $9,990 (b9) $10,326 (c9) $9,648 (d9) $9,986 (a10) $7,320 (b10) $7,553 (c10) $7,092 (d10) $7,320 (a11) $32,500 (b11) $33,625 (c11) $31,269 (d11) $32,396 (a13) $18,342 (b13) $18,868 (c13) $17,779 (d13) $18,308 (a14) $17,564 (b14) $18,141 (c14) $16,946 (d14) $17,526 and (b15) $60,410; and from Dale Eng. Co., 1066 North Geddes St., (e4) $122,044.

O., Akron—W. F. Peters, dir. Pub. Serv., Feb. 7, grading, curbing and paving with (a) repressed brick (b) 3¼ in. fibre brick (c) 3 in. fibre brick (d) Plan "B" asphalt (*) Trinidad (x) Texaco (‡) Mexican (e) Class "D" asphalt (f) granite block, cement filler (g) granite block, asphalt filler (h) Medina Block, cement filler (i) Medina Block, asphalt filler (1) Martin Ave. (2) North Broadway (3) Dayton St. (4) Crouse St., from Hollinger & Davidson, 435 South Bway., (a1) $10,793 (b1) $10,545 (c1) $10,462 (a3) $18,420 (b3) $17,893 (c3) $17,718 (a4) $36,808 (b4) $36,286 (c4) $36,112; from Columbus Asphalt Paving Co., Buckeye Bldg., (d*1) $10,393 (dx1) $10,322 (d‡1) $10,251 (e*1) $10,817 (ex1) $10,747 (e‡1) $10,676 (a2) $20,767 (b2) $20,620 (d*3) $16,925 (dx1) $16,779 (d‡1) $16,632 (e*3) $17,804 (ex3) $17,658 (e‡3) $17,511 (d*4) $35,616 (dx4) $35,471 (d‡4 $35,326 (e*4) $36,484 (ex4) $36,340 (e‡4) $36,195; from T. E. McShaffrey Constr. Co., 173 South Forge St. (f2) $28,717 (g2) $28,864 (h4) $27,242 (i2) $28,127 (dx3) $16,761 (e*3) $17,640 (ex3) $17,347. Noted Jan. 27.

O., Cincinnati—Director Pub. Serv., Jan. 31, curbing, sidewalks and granite block repaving 5,200 sq.yd. Vine St., from A. J. Henkel Constr. Co., 105 Bell Blk., $36,507. Engrs. est. $39,639. Noted Jan. 27.

O., Cleveland—City, Feb. 2, paving with (a) brick (b) asphalt (c) concrete (1) Canover Court (2) West 107th St. (3) West 129th St. (4) West 157th St. (5) Ely Ave. (6) East 103rd St. (7) Glen Ave. (8) Skyrm Court (9) East 124th St. (10) Bader Ave. (11) Southview Ave. (12) East 94th St., (13) East 170th St. (14) East 172nd So. (15) West 23rd St., from Roehl Bros. Co., 7008 Denison Ave. (a1) $2,676 (c1) $2,129 (a2) $18,731 (a3) $19,641 and (a4) $29,310; from Highway Constr. Co., Guarantee Title Bldg. (b2) $15,632 (c2) $15,727 (b3) $15,659 (c3) $15,038 (b4) $24,050 (c4) $22,747 (b5) $8,617 (c5) $8,259 (c6) $8,263 (a10) $29,684 (b10) $20,247 (c10) $23,157 (a11) $34,412 (b11) $27,841 (c11) $26,784 (a12) $11,918 (b12) $9,260 (c12) $18,700 (a13) $29,650 (b13) $24,671 (c13) $22,974 (a14) $27,308 (b14) $22,743 c(14) $21,113 and (c15) $8,685; from Cleveland Trinidad Paving Co., The Arcade, (a5) $10,489 (a6) $11,278 and (b6) $8,717; from Gould & Baybach, 16311 Saranec Rd. (a7) $2,623 (b7) $2,304 and (c7) $2,344; from Enterprise Paving Co., 8444 Bway. (a8) $2,666 and (c8) $2,307, from Rieley Bros., The Arcade, (a9) $4,862 (b9) $4,303 and (c9) $4,216.

Wis., Madison—J. R. Caldwell, highway comr. Dane Co., Feb. 3, grading and concrete paving 64,372 sq.yd. County Job 201, State Trunk Highway 12, from P. Fess, Madison, $163,425; and 132,902 sq.yd. County Job 200, State Trunk Highway 10, from A. J. Kramp, Berlin, $337,798. Noted Jan. 27.

Missouri—State Hy. Dept., Jefferson City, Jan. 28, from Davis Constr. Co., Boonville, grading 2,125 mi. road from Calloway north, Audrain Co. $25,957, and 9 mi. road from McCredie north, $53,034, and 9 ft. concrete paving 4.86 mi. same road $33,129, all in Calloway Co., from C. H. Atkinson Paving Co., Watertown, S. D., 4.39 mi. road from McCredie north, Calloway Co. $29,641, and 2.135 mi. road from Calloway Co. line north, Audrain Co. $11,112, from Pope Constr. Co., Jefferson City, grading 1.272 mi. Thru California Rd., Moniteau Co. $8,461, and 18 ft. concrete paving same road $26,614; from S. J. Graves & Sons, Minneapolis, Minn. 30 ft. grading 9 mi. road from Jefferson City east, Cole Co. $241,958, from Stonner & Deering Constr. Co., Chamois, 30 ft. grading 0.554 mi. road from New Market south, Platte Co., $4,326, from J. A. Kerr Co., Ozark, 0.399 mi. road Short Bend north and south, Dent Co. $7,604, and 11 mi. road from Springfield east, Green Co. $53,034, from T. V. Johnston, Doniphan, 0.974 mi. road from Grandin north, Carter Co. $23,285, from V. C. Cossota, Oklahoma City, Okla., 4.646 mi. Carrollton-Lina Rd., Carroll Co. $50,202, and from M. E. Gillioz, Monett, 2.815 mi. road from Short Bend north and south, Dent Co. $60,304; from Knox & Panzel, Jackson, 18 ft. graveling 1.673 mi. Thru Longtown Rd. $14,474, and 1.371 mi. road from Uniontown south $15,779, both Perry Co., from G. W. Condon Co., Omaha, Neb., 2.231 mi. road from Keytesville west, Chariton Co. $41,006, from F. T. O'Dell, Hannibal, 13 mi. road from Macon west, Macon Co. $50,654, and 4.22 mi. road from Brookfield east, Linn Co. $13,945, from J. P. Sparks, Kirkwood, 3.155 mi. road from Greenville north, Wayne Co. $7,719, and 3.306 mi. same road $7,733, and from H. A. Worman, Pittsfield, Ill., 3.343 mi. Linneus-U. S. Route 36, Linn Co. $8,419; from D. E. Graffenreid, Bagnell, 30 ft. grading, etc. 4.427 mi. road from Quincy north, Hickory Co. $12,012, and 4.762 mi. road from Bloodland south, Pulaski Co. $17,062; from Trogden Bros., Quincy, Ill., 18 ft. graveling 1.5 mi. road from Macon west $1,148, and 9 mi. road from Macon east $9,245, both Macon Co., and 2.98 mi. Marceline-U. S. Route 36, Linn Co. $5,351, from Serv. Constr. Co., Poplar Bluff, 2.285 mi. road from Puxico north, Stoddard Co. $9,360, and 4.516 mi. same road, $18,595; from Winstead & Gunter, Siloam Springs, Ark., 18 ft. chats surfacing 3.938 mi. road from Greenfield north, $33,498, and 4.48 mi. road from Greenfield south $35,663, both Dade Co. Noted Jan. 20.

Colorado—State Hy. Dept., Denver, sand clay surfacing 5.313 mi. Federal Aid Project 134-A, Constr. Div. 2, Kit Carson Co., from F. Kautz, 800 Water St., Denver, $15,265; and gravel surfacing 3.013 mi. Federal Aid Project 254-D, Grand Co., from Hinman Bros., 3358 Race St., Denver, $37,124. Noted Jan. 27.

Wash., Seattle—Bd. Pub. Wks., Jan. 28, paving, etc. North 63rd St., et al, from R. G. Stevenson, 2137 Northlake Ave., $53,599.

California — State Hy. Comn., Sacramento, grading, etc., 0.26 mi. road at Mossdale, San Joaquin Co., from J. E. Johnston, Weber Ave., Stockton, $27,548. Noted Jan. 20.

Calif., Los Angeles—From G. R. Curtis, 2440 East 26th St., improving Verdun and Roseland Aves. Impvt. Dist., 1,854 lin.ft. curbing at $0.50 per lin.ft., 5,336 lin.ft. curbing $0.50, 25,839 sq.ft. guttering $0.27, 813,183 sq.ft. 6 in. concrete paving $0.19, 624 sq.ft. 8 in. asphaltic concrete paving $0.25, 1,232 sq.ft. asphaltic macadam $0.22, etc., total $270,822.

Calif., Los Angeles—From McCray Co., Subway Terminal, improving Crestmore Pl., grading $9,000, 96,445 sq.ft. 6 in. concrete paving at $0.22 per sq.ft., etc., total $57,768; from G. W. Ellis, 1005 Kenneth Rd., Glendale, portion Kester Ave., grading $9,000, 384,380 sq.ft. 6 in. concrete paving $0.18, etc., total $92,610; also from Curtis Paving Co., 2440 East 26th St., Pleasant Ave., grading $3,500, 117,345 sq.ft. Willite asphaltic concrete surfacing $0.20, etc., total $36,218.

Calif., Los Angeles—Bd. Pub. Wks., Jan. 31, from Griffith Co., Railway Bldg., improving Cabrillo Ave., grading $4,500, 102,517 sq.ft. Willite asphaltic concrete surfacing $0.23 per sq.ft., 28,472 sq.ft. 5 in. concrete surfacing $0.23, etc., total approximately $48,620; from C. R. Snow, 880 West Knoll Dr., Emerald St., grading $5,600, 58,699 sq.ft. 6 in. concrete paving $0.22.25, etc., total $44,235. Noted Dec. 9.

Calif., Los Angeles—From Curtis Paving Co., 2440 East 26th St., improving Marvin Ave., grading $44,000, 1,287,482 sq.ft. 6 in. concrete paving at $0.19 per sq.ft., 82,680 sq.ft. 7 in. concrete paving $0.22, etc., total approximately $443,535; also Verdun Ave., grading $25,000, 813,183 sq.ft. 6 in. concrete paving $0.19 per sq.ft., etc., total approximately $270,825. Noted Feb. 3.

Calif., Los Angeles—Supervs. Los Angeles Co., Jan. 31, from I. E. Chapman, 437½ Beverly Dr., improving Centinela Ave., Rd. Dist. Impvt. 309, 11,449 cu.yd. excav. at $0.35 per cu.yd., 320,679 sq.ft. concrete paving $0.1925 per sq.ft., 331,369 sq.ft. 5 in. disintegrated granite sub-base $0.035, etc., total approximately $79,290. Noted Jan. 20.

Calif., San Diego—A. H. Wright, city clk., Feb. 7, from L. B. Butterfield, San Pedro, improving Dolphin Pl., etc., 653,638 sq.ft. 5 in. concrete paving at $0.17 per sq.ft., 144,738 sq.ft. concrete sidewalk $0.17, 33,592 lin.ft. concrete curbing $0.55, 34,275 cu.yd. excav. $0.60, etc., total $280,313. Noted Jan. 27.

Contracts Awarded

N. Y., New York — New York Central R.R. Co., Grand Central Terminal, widening Park Ave. from center line 46th St. to center line 57th St., to James Stewart & Co., 17 East 42nd St. Engrs. est. $1,500,000.

N. Y., Syracuse—Bd. Contr. & Supply, City Hall, widening and resurfacing North Salina St., to G. B. Dickison, Union Bldg., $155,881. Noted Jan. 20.

N. J., Newfoundland—West Milford Twp. Com., Town Hall, bituminous macadam paving portion Union Valley Rd., to Winston Co., Inc., Newfoundland, $49,855. Noted Jan. 27.

Delaware—State Hy. Dept., Dover, grading and widening, etc. 0.633 mi. Rogers Corner-South Wilmington Limits, 40 ft., Contr. 76, to Petrillo & Co., 5 Edgemoor Rd., Wilmington, $31,956; 3.87 mi. Dover-Cheswold Rd., 4 ft., Contr. 77, to George & Lynch, Dover, $30,514; also 3.22 mi. Blackbird, Contr. 78, to F. W. Lovett, Mechanicsville, Newark, $28,160. Noted Feb. 10.

Miss., Brookhaven — Grading, curbing, warrenite on concrete paving, etc., portions various streets, to Dunn Constr. Co., Merchants Bank Bldg., Jackson, and Chamber Commerce Bldg., Birmingham, Ala., $122,816.

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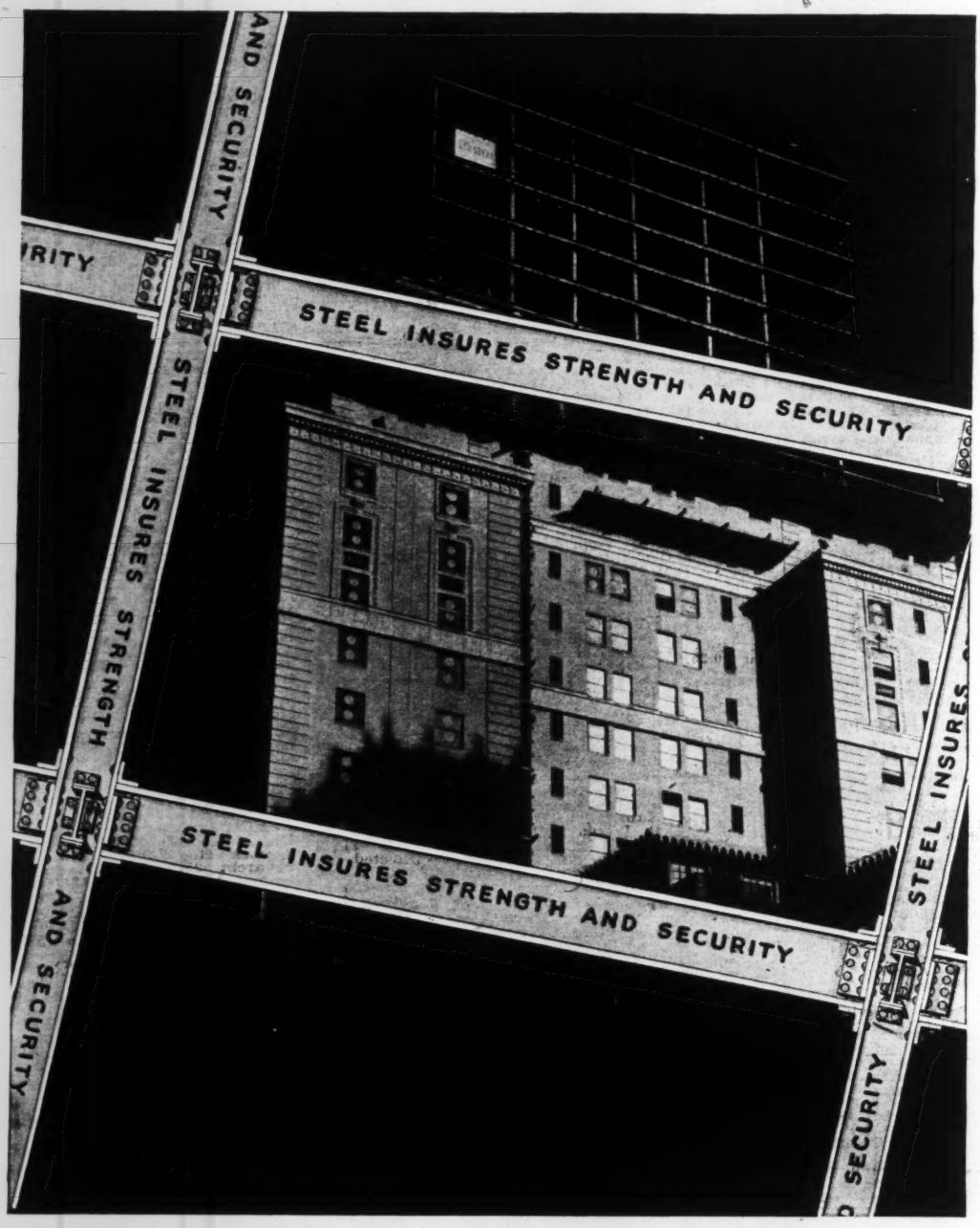

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Streets and Roads (Continued)

Miss., Durant—L. J. Wilkes, city clk., 2 in. warrenite on 4 in. concrete paving 10,000 sq.yd. West and Madison Sts., to Dunn Constr. Co., Chamber Commerce Bldg., Birmingham, Ala., $54,600. Noted Dec. 23.

Ind., Indianapolis—Bd. Wks. widening and asphalt repaving ½ mi. Meridian St., to Marion County Constr. Co., 1600 South West St. $41,026.

Wis., Wausau—Bd. Pub. Wks., to C. Lotz, 1016 Grand Ave., paving various streets, 27,614 sq.yd. concrete at $2.19 per sq.yd., and 9,475 sq.yd. brick $2.82. Noted Feb. 3.

Ia., Iowa City—Johnson Co., improving 9.702 mi. County Project 5, 106,126 cu.yd. temporary excav., 84,051 sta.yd. overhaul, etc., to Shirley-Caldwell Co., Omaha, Neb., $27,866. Noted Feb. 10.

Ia., Iowa City—Johnson Co., graveling 15 mi. Iowa City-Kalona Rd., to J. H. Dane, Iowa City, $43,900. Noted Jan. 20.

Kan., Manhattan—Riley Co., grading 3.442 mi. Federal Aid Project 327-C, to Yancey Constr. Co., Abilene, $62,987. Noted Jan. 20.

Tex., Abilene—For 2 in. bitulithic on 5 in. concrete paving 8 Blocks Walnut St., to West Texas Constr. Co., Abilene, at $2.91 per yd., total $33,000. Noted Jan. 27.

Tex., Panhandle — Carson Co., grading, bridging, etc. 20,445 mi. Highway 117, State Aid Project 713, 26 ft., to H. C. Lallier Constr. Co., Continental Trust Bldg., Denver, Colo., $70,435. Engrs. est. $89,000. Noted Jan. 20.

Nev., Reno—Cement sidewalks on various streets, and curbing, concrete paving, etc. 1 alley, to I. Christensen, 109 Sierre St., $64,665.

Nev., Reno—To Clark & Henery Constr. Co., Chancery Bldg., San Francisco, Calif., improving various streets, 600,000 sq.ft. 4 in. asphaltic concrete paving at $0.2075 per sq.ft. and 15,000 sq.ft. patching and replacing old asphaltic concrete pavement $0.25, total $128,250.

Wash., Everett — Weyerhauser Timber Co., clearing, grading, and constructing 1,000 ft. trestle for owners rail line between South Bay and Rainier Sect., to Allen Engr. Co., Olympia, $60,000.

Wash., Seattle—Bd. Pub. Wks. paving, using cast sand pipe, North 78th St. et al, to Fiorito Bros., 3950 6th St. N. W., $88,677. Noted Feb. 10.

Oregon—State Hy. Comn., Salem, surfacing, etc. 4.8 mi. State Line Hays Hill Sect. Redwood Highway, Josephine Co., to Simonsen & Hefty, Astoria, $29,293; also 4.5 mi. Cow Canyon Sect. Dallas-California Highway, Morrow and Wasco Counties, to Harness & Colby, Roseburg, $24,079, engrs .est. $28,000.

Calif., Los Angeles—Curbing, walks and concrete paving, etc. Crestmoore Pl. between Holyoke and Verdugo Rd., to McCray Co., Subway Terminal Bldg., $57,768.

Calif., Los Angeles—Supervs. Los Angeles Co., grading, curbing, guttering, 2 in. Durite paving 125,621 sq.ft. Antelope Ave., to Southwest Paving Co., Washington Bldg., approximately $53,798.

Calif., Los Angeles—Curbing, walks and Willite and concrete paving Pleasant Ave. between Macy and 1st Sts., to Curtis Paving Co., 2440 East 26th St., $36,217; concrete and asphaltic concrete paving, etc. Banning Blvd. between M and J Sts., to Griffith Co., Railway Bldg., $33,065; also grading and disintegrated granite and oil surfacing 169,677 sq.ft. portion Jefferson Blvd., to Oswald Bros., 366 East 58th St., approximately $44,660. Grand total $113,942. Noted Feb. 3.

Calif., Oceanside—J. H. Landes, city clk., curbing, guttering, walks and grading, etc., 15,000 cu.yd. Nevada St., to Lipscom & Dutton, Owl Drug Bldg., San Diego, $38,445. Noted Jan. 20.

Calif., Pomona—Curbing, guttering and 5 in. oil macadam paving, etc. 153,000 sq.ft. White Ave., to T. T. Crawford, 1st National Bank Bldg., $27,800.

Calif., San Diego—Common Council, 5 in. asphaltic concrete paving, etc., 57,385 sq.ft. Columbia and Laurel Sts., to R. E. Hazard Contg. Co., 2528 Kettner Blvd., $33,346. Noted Feb. 10.

Calif., Sierra Madre—L. Dietz, city clk., concrete and 3 in. oil macadam paving, etc. Acacia Ave., Camillo St., etc., to Pearson & Dickerson, Riverside, $20,981. Noted Dec. 30.

Buildings — Commercial

Proposed Work

Me., Waterville — AUDITORIUM—Methodist Church, E. A. P. Jones, pastor, Center St., plans 1 story and basement, brick, Center St. $150,000. H. T. Muzzy, 173 Main St., archt.

Mass., Athol — BANK — Athol Savings Bank, L. B. Fay, 384 Main St., having plans prepared by J. W. Beals Sons Co., 185 Devonshire St., Boston, 2 story and basement, rein.-con., brick and steel Main St. $150,000.

Mass., Boston—HOME—Home for Aged Couples, H. Clarke, pres., 2055 Columbus Ave., Roxbury, having plans prepared by Coolidge, Shepley, Bulfinch & Abbott, Ames Bldg., 3 story and basement, brick and limestone, plain foundation, Columbus Ave. and Walnut St. $150,000.

Mass., Boston — THEATRE — M. Loew, 431 Washington St., having revised plans prepared altering and constructing 1 story and basement, brick and steel addition. $150,000. Private plans. Noted Jan. 20.

Mass., Boston—THEATRE and STORE—P. Marget, c/o B. C. Gallo & Co., archts., 42 Maverick Sq., East Boston, having revised plans prepared 3 story and basement, rein.-con., brick and steel, plain foundation, Main St. $400,000.

Mass., Dorchester (Boston P. O.)—FIRE STATION—City of Boston, J. T. Ball, Fire Dept., 60 Bristol St., takes bids about Mar. 1, 2 story, brick, plain foundation, Parish St., Meetinghouse Hill, here. $150,000. Private plans. Noted Nov. 4.

Mass., Fall River — HOTEL — Mohican Hotel, W. Burke, Main St., plans altering and constructing brick addition. $150,000 or more. J. M. Darling, 56 North Main St., archt.

Mass., Hull—CASINO and CLUBHOUSE—Colonial Casino Corp., c/o O. J. Gette, archt., soon takes bids 2 story, 125 x 245 ft., brick casino and clubhouse. $150,000. Noted Feb. 10.

Mass., Lexington — BANK — Lexington Trust Co., E. G. Preston, pres., plans rein.-con., brick and steel, Massachusetts Ave. and Muzzey St. $150,000 or more. Engineer and architect not selected.

Mass., Long Island (Ind. sta. Boston)—DORMITORY—City of Boston, Institutions Dept., City Hall, plans mens dormitory, here. $300,000. Engineer and architect not selected.

Mass., Lynn—FIRE STATION—City, R. S. Bauer, mayor, City Hall, plans brick fire alarm headquarters. $150,000. Engineer and architect not selected.

Mass., Mansfield — THEATRE and STORE — Community Theatres, c/o M. Kaufer, 540 Howard Bldg., Providence, R. I., plans 2 story, brick and steel theatre and store building. $150,000-$175,000. Engineer and architect not selected.

Mass., Melrose (Ind. br. Boston) — APARTMENT—L. A. and P. C. Dow, 127 Upham St., having sketches made 3 story and basement, brick and stone, plain foundation. $150,000. Private plans.

Mass., Newton (Ind. br. Boston)—CITY HALL—City, E. O. Childs, mayor, City Hall, plans city hall, in West Newton or Newton Center, $1,000,000. Lockwood, Greene & Co., 24 Federal St., Boston, advisory archts. Engineer and architect not selected.

Mass., Newton (br. Boston)—STORE and OFFICE — Bennett Rockman, 41 Nobscott Rd., having plans prepared by Silverman, Brown & Heenan, 51 Cornhill, Boston, 3 story and basement, brick and stone, plain foundation, Washington and Waltham Sts. $150,000.

Mass., Northboro—HOTEL—J. J. Collins, 37 Franklin St., Marlboro, having sketches made by Haynes & Mason, 280 Main St., Fitchburg, 3 or more story and basement, brick, plain foundation. $150,000 or more.

Mass., Roxbury (sta. Boston) — SURGICAL — New England Hospital for Women and Children, C. Dimock, supt., Dimock St., plans brick, Dimock St. To exceed $150,000. Engineer and architect not selected.

Mass., Salem—APARTMENT—A. Smidt, 5 Smidt Ave., Peabody, having plans prepared by G. Fanning, 221 Essex St., 3 story and basement, 70 x 110 ft., brick and stone, plain foundation, Lafayette St. $150,000.

Mass., Stoneham — BANK — Stoneham Trust Co., E. M. Hamlin, pres., having plans prepared by Hutchins & French, 11 Beacon St., Boston, altering and constructing 1 story and basement, rein.-con. and brick addition, plain foundation. $150,000.

Mass., Westfield — SOCIETY—Westfield B. P. O. E., M. C. Keefe, chn., plans altering and constructing addition. $150,000 or more. Engineer and architect not selected.

R. I., Providence — BANK — High St. Bank, 846 Westminster St., plans 1 story and basement, rein.-con., brick and stone, Winter and Westminster Sts. $150,000. Engineer and architect not selected.

Conn., Hartford — BANK — Hartford-Aetna Natl. Bank, H. Holt, pres., 835 Main St., plans bank. $150,000 or more. McKenzie Voorhees & Gmelin, 342 Madison Ave., New York City, archts.

Conn., Hartford—TEMPLE—Congregation Beth Israel Building Com., I. Wise, having plans prepared by C. R. Greco, Beacon St., Boston, Mass., temple, Farmington Ave. $250,000. Noted Jan. 7.

Conn., Middletown—THEATRE—Middlesex Theatre, C. Arrigoni & O. Pelliccia, 181 Main St., plans rebuilding 2 story, brick and steel, 2,000 seating capacity, recently destroyed by fire. $150,000 or more.

Conn., New Milford—APARTMENT—G. B. Noble, Bridge St., had plans prepared by W. L. Bottomley, 112 East 55th St., New York City, brick, steel and stone apartment. $150,000.

Conn., Stamford — APARTMENT — Rippowam Village Corp., Smith Bldg., Greenwich, soon lets contract 6 story and basement, 125 x 150 ft., brick, steel and stone apartment. $500,000. A. L. Harmon, 19 West 44th St., New York City, archt.

Conn., Winsted—APARTMENT—North Shore Properties, Inc., Flushing, N. Y., plans apartment, Migeon Ave., here. $150,000 or more. Engineer and architect not selected.

N. Y., Brooklyn—BANK and OFFICE—Williamsburg Savings Bank having plans prepared by Halsey, McCormick & Helmer, archts. and engrs., 286 5th Ave., New York City, 16 story, 100 x 200 ft., brick, steel and stone, plain foundation, Hanson and Ashland Pls. $600,000.

N. Y., Brooklyn—COURT HOUSE—City of New York, Brooklyn Boro, J. J. Byrne, pres., Boro Hall, plans brick, steel and stone court house, plain foundation, Schermerhorn St. $1,000,000.

N. Y., Buffalo — OFFICE — Trubee & Putnam, 202 Franklin St., soon takes bids 3 story, 100 x 160 ft., rein.-con. and brick, Niagara St. $300,000.

N. Y., Buffalo — STORE and HOTEL — Owner, c/o J. G. Fiscus, archt., 414 Cornwall Ave., having plans prepared 4 story, 60 x 150 ft., rein.-con., brick and steel, Michigan Ave. $200,000.

N. Y., Buffalo — THEATRE — Buffalo Community Theatre, c/o G. M. Wolfe, archt., 377 Main St., having plans prepared theatre, Hertel St. $150,000.

N. Y., Jamaica—BANK and OFFICE—Natl. Title Guaranty, Inc., M. Miller, pres., 174 Montague St., Brooklyn, soon takes bids brick, steel and stone, plain foundation, Fulton St., here. $400,000. Shampan & Shampan, 188 Montague St., Brooklyn, archts.

N. Y., New York—APARTMENT—Hemlock Holding Corp., c/o C. Kreymborg, archt., 2534 Marion Ave., having plans prepared 6 story, 85 x 120 ft., brick, steel and stone, plain foundation, Walton Ave. and 181st St. $200,000.

N. Y., New York — APARTMENT — Rutherglen Realty Co., Inc., c/o J. M. Felson, archt., 250 West 57th St., having plans prepared 6 story, brick, steel and stone, plain foundation, Jessup Ave. $400,000.

N. Y., New York — HOTEL CLUB — Kanter Realty Co., c/o J. J. Schlesinger, 259 West 30th St., plans 20 story, 90 x 105 ft., brick, steel and stone, 411-17 West 42nd St. $2,000,000.

N. Y., New York—HOTEL—Durham Realty Corp., J. C. Thorn, pres., 511 5th Ave., having plans prepared by Schultze & Weaver, 17 East 49th St., 18 story, brick, steel and stone addition, plain foundation, 5th Ave. and 55th St. $1,500,000.

N. Y., New York—LOFT—Owner, c/o W. I. Hohauser, archt., 1400 Bway., having plans prepared 14 story, brick, steel and stone, plain foundation, 236 West 27th St. $1,000,000.

N. Y., New York—OFFICE—Hawxhurst Realty Co., W. Wheelock, pres., c/o Kohn, Butler, Stein & Vitolo, archts., 56 West 45th St., soon takes bids 22 story, brick, steel and stone, 18-22 East 48th St. $700,000.

N. Y., Rochester — OFFICE — Taylor, Holmes & Converse, archts., Hiram Sibley Bldg., prepared revised plans and soon take bids 3 story and basement, 62 x 119 ft., brick, steel and stone, East Ave., for R. Fitch, 16 North Goodman St., $150,000.

N. Y., Rochester — OFFICE and FRATERNAL—Gordon & Kaelber, archts., Hirman Sibley Bldg., soon take bids 12 story and basement, 97 x 263 ft., steel and stone, plain foundation, Chestnut and Lawn Sts., for Knights of Columbus, 700 East Main St. $1,500,000. S. Firestone, 59 South Ave., engr.

N. Y., Rochester — THEATRE — Schine Theatrical Co., c/o Grand Theatre, having plans prepared by M. S. DeAngelis, 36 Avery St., theatre. $500,000.

N. Y., Syracuse—BANK and OFFICE—Syracuse Savings Bank, James and North Salina Sts., having plans prepared by M.

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Buildings—Commercial (Continued)

L. King, 300 Denison Bldg., 6 story and tower, 64 x 128 ft., cut stone and steel, James and North Salina Sts., $500,000.

N. J., Camden—WAREHOUSE—Securities Warehouse Co., J. D. Henderson, Bway, and Cooper St., Phila., Pa., having plans prepared by L. B. Rothschild, 215 South Broad St., Phila., Pa., 8 story and basement, 60 x 130 ft., and 60 x 70 ft., rein.-con. and brick, plain foundation, Haddon Ave., here.

N. J., Newark—EXCHANGE—New York Telephone Co., 15 Dey St., New York City, soon takes bids rein.-con., brick and steel, plain foundation, Lombardy St. $2,500,000. McKenzie, Voorhies & Gmelin, 342 Madison Ave., New York City, archts. Noted Sept. 16.

Pa., Ardmore—ARCADE—J. Lyon, 44 Lancaster Ave., having plans prepared 4 and 1 story and basement, 38 x 50 x 80 ft., rein.-con., brick and steel, plain foundation, Lancaster Pike and Athens Ave. Private plans.

Pa., Phila.—APARTMENT—M. Cohen, 4628 Frankford Ave., plans 5 story and basement, 165 x 324 ft., rein.-con., brick and steel, plain foundation, 13th and Camac Sts. Engineer and architect not selected.

Pa., Phila. — THEATRE — Magaziner, Eberhard & Harris, archts., 603 Arch St., soon lets contract 2 story and basement, 96 x 120 ft., rein.-con., brick and steel, plain foundation, 1330-40 South St., for A. Margolis, c/o architects.

Pa., Pittsburgh — BANK — Union Trust Co., Union Trust Bldg., soon lets contract 2 story and basement, stone and steel, 5th Ave. and Atwood St. $150,000. E. P. Mellon, 350 Madison Ave., New York City, N. Y., archt. Noted Jan. 20.

Md., Baltimore — APARTMENT — J. Mizen, 4013 Park Heights Ave., having plans prepared by E. H. C. Browne, 516 North Charles St., 3 story and basement, irregular shaped, brick and steel, plain foundation, Park Heights and Clark Lane. $450,000.

Md., Baltimore—BANK—Park Bank, O. Richardson, chn. Bd., Liberty and Lexington Sts., having plans prepared by J. Pennington, 330 North Charles St., 3 story and basement, 19 x 65 ft., brick and steel addition, plain foundation, 204 North Liberty St.

D. C., Wash.—BANK and OFFICE—Union Trust Co., 15th and H Sts., having plans prepared by Marsh & Peter, associated archts., 1302 F St. N. W., and A. B. Mullett & Co., Union Trust Bldg., side addition to bank and office building. $500,000.

La., Coushatta—COURT HOUSE—Red River Parish Police Jury, J. H. Mangham, secy., election Mar. 8, $150,000 bonds, 3 story, rein.-con., brick and stone court house. H. J. Duncan, 20 Murray St., Alexandria, archt. Noted Dec. 23.

O., Cincinnati — BANK — Second Natl. Bank, 9th and Main Sts., having plans prepared by Hoggson Bros., 388 Dearborn St., Chicago, Ill., 12 story and basement, brick and rein.-con. addition, plain foundation. $300,000.

O., Cleveland — COMMERCIAL and APARTMENT — Feb. 12, by J. Kalsch, archt., 4500 Euclid Ave., 3 story and basement, 50 x 135 ft., brick and steel, 11604 Euclid Ave., for 11604 Euclid Co., c/o architect. $175,000.

O., Cleveland—HOSPITAL—Mercy Hospital Assn., W. R. Green, chn., Blackstone Bldg., 1426 West 3rd St., plans 3 story and basement, 32 x 151 ft., and 45 x 84 ft., brick, steel and concrete, Cedar Ave. $200,000. Engineer and architect not selected. Noted Sept. 9.

O., Cleveland—STORE, etc.—O. I. Leisy, Jr., 4242 Bonnie Bank Rd., having new plans prepared by W. Markowitz, 9806 Kempton Ave., 2 story and basement, 61 x 148 ft., and 44 x 61 ft., brick and steel, West 159th St. and Lorain Ave. $150,000.

O., Cleveland—THEATRE, STORE and OFFICE—Beach Land Co., c/o A. Sachs, 1321 Guarantee Title Bldg., having plans prepared by A. F. Janowitz, 502 Standard Theatre Bldg., remodeling theatre, store and office building, Detroit and West 65th Sts. $150,000.

O., Columbus — LODGE — Aerie 297 Eagles, 771 North High St., R. J. Bartlett, ch. building com., plans 3 story and basement, 90 x 180 ft., probably concrete, brick and stone, incl. showers, pool, bowling alleys, etc., 771 North High St. $250,000. Engineer and architect not selected.

O., Columbus — MUNICIPAL — City Council having plans prepared by Allied Associated Architects, R. C. Kempton, managing archt., 82 West Broad St., 4 story, octagon shaped municipal building to house police dept., jail, municipal court rooms, police and fire telegraph system, and central heating plant. $800,000.

O., Dayton—OFFICE—U. B. Church, c/o W. R. Funk, mgr., U. B. Publishing Co., West 5th St., plans remodeling 11 story office building, 4th and Main Sts. $175,000. Engineer and architect not selected.

O., Youngstown—HOTEL—Ohio Hotel Co. Boardman and Hazel Sts., takes bids in spring, hotel addition. $500,000.

Ind., Anderson—APARTMENT—Mainview Realty Co., c/o R. W. Bailey, having plans prepared by E. F. Miller, 2 story, 30 apartment. Main and 25th Sts. $160,000.

Ind., East Chicago—TEMPLE—Masonic Lodge, R. H. Briendenbach, in charge, had plans prepared by C. Hatzfield, 7 South Dearborn St., Chicago, Ill., 3 story and basement, 50 x 175 ft., rein.-con., brick and steel, 13th and Hemlock Sts. $160,000.

Ind., Ft. Wayne—WAREHOUSE—Home Telephone & Telegraph having plans prepared by C. Weatherhogg, 250 West Wayne St., 2 story and basement, 130 x 175 ft. rein.-con., brick and steel, Jacobs Ave. and Clinton St. $155,000.

Ind., Gary—BANK and OFFICE—Gary State Bank, 5th Ave. and Bway., L. W. McNamee, pres., having plans prepared by Ivar, Viehe, Naess Co., 400 North Michigan Ave., Chicago, Ill., and takes bids about Feb. 25, 10 story and basement, 125 x 125 ft., brick and steel bank and office building. $500,000. Noted May 6.

Ind., Gary—STORE—L. Goodman, 648 Massachusetts Ave., takes bids after Apr. 1, superstructure 3 story and basement, 125 x 125 ft., brick and steel department store. $200,000. H. Warriner, 673 Bway., archt. Foundation for above awarded to T. S. David, 4391 Massachusetts Ave. Noted Nov. 25.

Mich., Detroit—THEATRE, STORE and OFFICE—Owner, c/o H. Kohner, archt., 405 Kresge Bldg., having plans prepared 2 story and basement, 168 x 280 ft., rein.-con., brick, steel and stone, plain foundation, Grand River Ave. and Plymouth Rd. $500,000.

Mich., Eloise—HOSPITAL—Wayne Co., County Bldg., Detroit, plans 3 story and basement, rein.-con., brick, and steel addition, plain foundation, Michigan Ave. $450,000. Engineer and architect not selected.

Mich., Fordson—THEATRE, STORE and OFFICE—Owner, c/o C. W. Brandt, archt., 1114 Kresge Bldg., Detroit, having plans prepared 3 story and basement, rein.-con., brick and steel, plain foundation, Schaefer Rd. $400,000.

Ill., Belleville — HOSPITAL — Southern Illinois Dist. of Evangelical Protestant Church, c/o A. Lanhurst, pastor, O'Fallon, having preliminary plans prepared 3 or 4 story, rein.-con., brick and stone hospital, here. $250,000. Engineer and architect not selected.

Ill., Chicago—APARTMENT HOTEL—Syndicate, c/o Hyland & Corse, archts., 159 East Ontario St., having plans prepared 5 story and basement, 50 x 135 ft., rein.-con. and brick, 5518 Kenmore Ave. $300,000.

Ill., Chicago—APARTMENT—McNally & Quinn (archts. and owners), 8 South La Salle St., preparing plans 15 or 17 story, 122 x 158 ft., rein.-con., brick and stone, 70th Pl., and South Shore Dr. $2,000,000.

Ill., Chicago—HOTEL and CLUB—L. F. Urbain, archt., 1254 Lake Shore Dr., making sketches 5 story, 940 room hotel and club building, incl. gymnasium, stadium, bowling alleys, swimming pool, etc., on 125 x 285 ft. site, for Syndicate, c/o architect. $1,500,000.

Ill., Chicago—HOTEL—Plote & Grosby, 111 West Washington St., having plans prepared by Huszagh & Hill, 6 North Michigan Ave., 16 story and basement, brick and stone, 210 East Pearson St. $2,000,000.

Ill., Chicago—OFFICE and STORE—M. F. Stranch, archt., 800 West North Ave, made plans and soon takes bids 2 story and basement, 170 x 207 x 208 ft., brick, terra cotta and stone, Lincoln and Wrightwood Aves., for Linwood Building Corp., c/o architect. $350,000.

Ill., Chicago — OFFICE and BOARD TRADE — Chicago Board of Trade, 141 West Jackson Blvd., had preliminary sketches made by Holabird & Roche, 104 South Michigan Ave., 43 story office and board of trade building, West Jackson Blvd., La Salle, Sherman and West Van Buren Sts.

Ill., Chicago—THEATRE—Marks Bros., 1641 West Roosevelt Rd., having plans prepared by Levy & Klein, 111 West Washington St., 3 story, 48 x 100 x 275 ft., brick and terra cotta, 1365-67 Milwaukee Ave. $1,500,000.

Wis., Milwaukee — OFFICE—Milwaukee Electric Railway & Light Co., 2nd and Sycamore Sts., having plans prepared by Judell & Bogner, 445 Milwaukee St., remodeling second floor of office building, 2nd and Sycamore Sts. $150,000.

Ia., Des Moines—GARAGE—Automobile Garage Co. having plans prepared by Sawyer & Watrous, 401 Southern Surety Bldg., 9 story and basement, 66 x 132 ft., rein.-con. and brick garage. $325,000.

Minn., Minneapolis — CLUB — Women's Club of Minneapolis, J. W. Phillips, c/o Leamington Hotel, chn. building com., soon lets contract 4 story and basement, rein.-con., brick and stone, Oak Grove and 18th Sts. $250,000. Magney & Tusler, 126 South 9th St., archts.

Minn., St. Paul — THEATRE—O. A. Rowe & W. A. Mustard, 673 East 7th St., having plans prepared rein.-con., brick and terra cotta, St. Peter and West 7th Sts. $750,000.

S. D., Aberdeen—HOTEL—A. L. Ward, 1216 North Main St., plans rebuilding 7 story and basement, 75 x 142 ft., rein.-con., brick and stone, 1st Ave. and Main St., destroyed by fire. $500,000. Engineer and architect not announced.

Mo., Cape Girardeau — HOTEL — Hotel Securities Corp., c/o E. E. Singleton, 626 Pine St., St. Louis, takes bids about Mar. 5, 6 story and basement, 83 x 115 ft., rein.-con., brick, steel and terra cotta, Bway. and Fountain St. $500,000. Pleitsch & Price, 1594 Arcade Bldg., St. Louis, archts. Noted Dec. 30.

Mo., North Kansas City—APARTMENT and HOTEL—L. K. Constr. Co., 1007 Waldheim Bldg., Kansas City, having plans prepared by De Foe & Bisicke, 1705 Baltimore St., Kansas City, 3 story and basement, brick apartment and hotel, here. $240,000.

Mo., St. Louis—COMMERCIAL and HOTEL—F. Yawitz, 2333 Pine St., takes bids about Mar. 1, 4 story and basement, 91 x 262 ft. commercial building, Beaumont and Olive Sts., $275,000; also takes bids in spring, 3 story and basement, 69 x 125 ft. hotel, 30th and Olive Sts., $100,000, both rein.-con., brick and stone. Private plans.

Mo., St. Louis—HOTEL—Jefferson Hotel Co., L. T. Hay, pres., 12 and Locust Blvds., having revised plans prepared by T. P. Barnett & Co., Arcade Bldg., and soon takes bids 14 story and basement, (side) and 4 story, rein.-con., brick, stone and steel (top) additions, Locust Blvd. $2,500,000.

Tex., Dallas—STORE—H. M. Greene & Co., engrs. and archts., Santa Fe Bldg., soon lets contract remodeling 4 story and constructing 4 story (ultimately 20 story) and basement, 96 x 100 ft., rein.-con. and steel addition, plain foundation, Ervay St., for H. Marcus Co., pres. Neiman Marcus Co., Main and Ervay Sts. $400,000.

Tex., El Paso—HOTEL—P. Harvey soon takes bids 3 story, rein.-con. and brick addition to Del Norte Hotel, plain foundation. $200,000. Private plans.

Tex., McCamey—WAREHOUSE—Frick-Reid Supply Co., soon takes bids 2 story and part basement, rein. con. and brick, plain foundation. $150,000. Private plans. Ventllating, elevators, refrigeration.

Tex., Midland—STORE and OFFICE—D. S. Castle Co., archts., 701 Alexander Bldg., Abilene, soon takes bids store and office, here, for J. B. Thomas, Midland. $150,000.

Tex., San Antonio — HOTEL — A. H. Shafer Estate, 418 North St. Marys St., purchased site and takes bids about Apr. 5, 12 story (ultimately 17 story) and basement, 77 x 115 ft., rein.-con., brick and steel, plain foundation, St. Marys and Pecan Sts. $500,000. P. G. Silber & Co., 331 Bedell Bldg., archts.

Okla., Oklahoma City—EXHIBIT—State Fair Assn., Fair Grounds, having preliminary plans prepared by J. Hicks, 145 East 14th St., brick, plain foundation, Fair Grounds. $150,000.

Ore., La Grande—HOTEL—E. Kroner, archt., I.O.O.F. Bldg., Portland, soon takes bids 6 story, 100 x 100 ft. hotel, here, for W. C. Becktell, Guaranty Bldg., Portland. $250,000.

Calif., Los Angeles—THEATRE—N. W. Alpaugh, archt., 2404 West 7th St., soon takes bids brick and rein.-con., Hollywood Blvd. and Cherokee St., for interests represented by Chamberlain & Proctor, 417 Spring Arcade Bldg. $150,000.

Calif., Salinas—BANK and OFFICE—Monterey County Bank, A. C. Hughes, pres., 201 Main St., plans fireproof bank and office building. $150,000.

Calif., San Bernardino—THEATRE, OFFICE and STORE—C. E. Moomau, c/o Pennell & Young, archts., Chapman Bldg., Los Angeles, having plans prepared 2 story, 130 x 185 ft., rein.-con., E St. $150,000 or more.

Calif., San Francisco—APARTMENT—J. Weisbein et al., c/o A. H. Larsen, archt.,

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447 Sutter St., having plans prepared probably rein.-con., Great Highway. $1,000,000.

Calif., San Francisco — CLUB — Union Sportiva Italiana Virtus, 1451 Stockton St., plans probably rein.-con., Vallejo and Stockton Sts. $150,000. Engineer and architect not selected.

Que., Montreal — OFFICE — Perrault & Gadbois, archts., 5300 Park St., takes bids in March, 10 story, 75 x 100 ft. office, St. James St., for Viewmont Land Co., Insurance Exch. Bldg. $460,000.

Ont., Toronto—APARTMENT—Grimshaw Bros., 1176 Danforth Ave., having plans prepared by W. G. Hunt, Confederation Life Bldg., 4 story and basement, rein.-con., brick, steel, stone, tile and terrazo, plain foundation, Sherbourne St. $175,000.

Ont., Toronto — APARTMENT — D. D. Reid, 76 Montgomery Ave., plans 3 or 4 story and basement, rein.-con., brick and steel, plain foundation, Duplex Ave. $150,000-$200,000. Engineer and architect not selected.

Ont., Toronto — HOSPITAL — Toronto General Hospital, College St., plans 2 to 5 story and basement, fireproof radiology and pathological buildings, power house and workshop, and enlarging present main building tunnels from power house and between buildings, etc., College St. and University Ave. $2,500,000. Engineer and architect not appointed. Noted July 29.

Ont., Toronto — HOTEL — Canadian Pacific Ry. Co., Windsor Sta., Montreal, Que., J. M. R. Fairbairn, ch. engr., plans 1,000 room rein.-con. or structural steel, brick, tile, marble, terrazo and stone, on 195 x 325 ft. site, Front St., here. $5,000,000. Engineer and architect not appointed.

B. C., Tranquille — SANITORIUM — Provincial Government, Victoria, having plans prepared by H. Whittaker, Dept. Pub. Wks., Victoria, and takes bids about May 4 sanitorium, here. $250,000. P. Philip, Dept. Pub. Wks., Victoria, engr.

B. C., Victoria — HOTEL — Local Syndicate, c/o P. L. James, archt., 1207 Douglas St., having plans prepared 3 story, 200 room, rein.-con. fireproof hotel, Oak Bay. $300,000.

Bids Desired

Vt., Brattleboro — HOSPITAL — Brattleboro Retreat for Insane H. C. Rippley, doctor, taking bids 2 and 3 story and basement, brick addition, plain foundation, 75 Linden St. $150,000. Kendall, Taylor & Co., 142 Berkley St., Boston, Mass., archts.

Mass., Boston — APARTMENT — H. O. Apthrop, 15 State St., taking bids 5 story and basement, brick and stone, plain foundation, 10 Otis Pl. $250,000. Gigelow & Wadsworth, 120 Tremont St., archt. Noted Jan. 20.

Mass., Boston — COMMERCIAL — R. J. Quinn & Co., Inc., 481 Chelsea St., East Boston, taking bids altering 4 story and basement, brick and stone, plain foundation, 158 Kneeland St. $150,000 or more. D. Somers, 234 Boylston St., archt.

Mass., Boston—STORE and OFFICE—Massachusetts General Hospital, 50 State St., taking bids altering 6 story and basement, brick and steel, 70-80 Tremont St. $150,000. Parker, Thomas & Rice, 177 State St., archts. Noted Feb. 10.

Mass., Dorchester (sta. Boston)—STORE and OFFICE—See "Contracts Awarded."

Mass., Dorchester (sta. Boston)—STORE and OFFICE—H. A. Kerner, 749 Dudley St., taking bids 3 story and basement, 66 x 100 ft., brick and stone, plain foundation, 761-767 Dudley St. $150,000. F. A. Norcross, 46 Cornhill, Boston, archt.

Mass., Malden (Boston P. O.)—STORE and OFFICE—Clifford Real Estate Co., 364 Main St., taking bids 4 story and basement, brick and stone, plain foundation, South Main and Exchange Sts. $150,000. C. F. Springall, 84 Sprague St., archt.

Mass., Medford (br. Boston)—THEATRE—Syndicate, c/o C. F. Springall, archt., 84 Sprague St., Malden, taking bids 1 story and basement, 56 x 145 ft., brick and steel, plain foundation, Salem St. and Riverside Ave., here. $250,000. Noted Feb. 10.

R. I., Wakefield — BANK — Wakefield Trust Co., c/o Hutchins & French, archts., 11 Beacon St., Boston, Mass., taking bids 1 story and basement, rein.-con., brick and steel, plain foundation, here. $150,000.

Conn., Hartford—HOSPITAL—Hartford Hospital, 20 South Hudson St., taking bids, 4 story and basement, 35 x 130 ft., rein.-con. and brick addition, Jefferson St. C. J. Malmfeldt, 15 Lewis St., archt.

Conn., New Haven—STORE—Mar. 2, by F. W. Woolworth Co., 834 Chapel St., 6 story, 75 x 75 ft., and 75 x 125 ft., rein.-con., brick and steel, Chapel St. $200,000. L. Julianelle, 42 Church St., archt. Westcott & Mapes, 139 Orange St., engrs. Noted May 13.

N. Y., New York—COURT HOUSE—Feb. 25, by H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., general contract 4th story addition to magistrates and municipal court house, Washington and Brook Aves., 161st and 162nd Sts. Former bids rejected. Noted Feb. 10.

N. Y., Niagara Falls — HOTEL and STORE—Feb. 20, by Lewis & Hill, archts., 892 Main St., Buffalo, 4 story, rein.-con., brick and steel, Main St., for J. F. McDonald, White Bldg., Buffalo. $300,000.

N. Y., Raybrook—HOSPITAL—Mar. 3, by State Bd. Charities, Dept. Charities, Capitol, Albany, construction, storehouse, elevator extension, etc. at State Hospital for Treatment Incipient Pulmonary Tuberculosis, here. Noted Feb. 10 under "Buildings—Industrial."

N. Y., Rochester—STORE—Feb. 22, by Gordon & Gaelber, and C. R. Traver, archts., Hiram Sibley Bldg., 2 story and basement, rein.-con. and stone, plain foundation, East Main and Gibbs St., for Denestras Realty Corp., 75 Exchange St., F. Strolm, in charge. $200,000. L. A. Sanford, Hiram Sibley Bldg., engr. Noted Dec. 30.

N. J., Irvington — APARTMENT — See "Contracts Awarded."

Pa., New Castle—BANK—Apr. 1, by Directors First Natl. Bank, 6 story and basement bank, East Washington and Mercer Sts. Simons, Brittain & English, 336 4th Ave., Pittsburgh, archts.

Pa., Phila. — APARTMENT — See "Contracts Awarded."

Pa., Phila.—HOSPITAL—Feb. 23, by A. W. Barnes, archt., Perry Bldg., 8 story, basement and sub-basement, 93 x 150 ft. general hospital building; 9 story, basement, and sub-basement, 37 x 100 ft. nurses home; 6 story basement, and sub-basement, 45 x 100 ft. maternity building; and 1 story, 23 x 35 ft. garage, all rein.-con., brick and steel, plain foundations, 8th and Thompson Sts., for St. Lukes Childrens Homeopathic Hospital.

Pa., Pittsburgh—GARAGE—Feb. 19, by H. Hornbostel, archt., Hardy Hayes Bldg., 2 story and basement, 80 x 128 ft., rein.-con., brick and steel, Forbes St., for Schenley Apartment Hotel Co., Bigelow and 15th Sts. $150,000.

Md., Baltimore—BANK—Mar. 2, by Parker, Thomas & Rice, archts., Union Trust Bldg., 5 story and basement, 100 x 125 ft., steel and stone, concrete pile foundation, Calvert and Lexington Sts., here, for Federal Reserve Bank of Richmond, 9th and Franklin Sts., Richmond, Va. $1,000,000. Noted Apr. 29.

W. Va., Wheeling—THEATRE—Feb. 24, by Capitol Theatre Co., Belmont St., J. Papulias, pres., 2 story (equivalent to 4 story), 139 x 228 ft., concrete, brick and steel, Main St. $750,000. C. W. Bates, 77 12th St., archt.

Ala., Birmingham—HOSPITAL—Mar. 15, by Bd. Revenue Jefferson Co., 3 story, 75 x 200 ft., rein.-con. annex to Hillman Hospital, 20th St. $500,000. A. W. Swern, 19 South La Salle St., Chicago, Ill., archt. Noted Jan. 27.

Ky., Louisville — MEMORIAL HOME — Apr. 30, by E. T. Hutchins, archt., 418 South 5th St., 2 story and basement, 100 room, brick and steel, concrete foundation, Cherokee Rd., for Moorman Memorial Home, 970 Cherokee Rd. $200,000.

O., Cleveland—EXCHANGE—Feb. 21, by Ohio Bell Telephone Co., c/o E. F. Merrill, 4300 Euclid Ave., 2 story and basement, 43 x 83 x 100 ft., brick and rein.-con., West 137th St. and Lorain Ave. $150,000. F. A. Ward, archt., and G. A. Kozitsky, engr., both 4300 Euclid Ave. Noted Dec. 30.

O., Columbus — HOME — Mar. 9, by Comrs. Franklin Co., O. Moore, clk., 2 story and basement, 50 x 150 ft., brick and concrete addition to County Home. $200,000. W. H. Tremaine, Chamber of Commerce Bldg., archt.

O., Dayton — STORAGE GARAGE — Schenk & Williams, archts., 3rd Natl. Bank, taking bids 4 story, 89 x 200 ft., rein.-con. addition, 2nd St., for G. W. and N. Mearick, 2nd and Main Sts. $200,000.

O., Lakewood (br. Cleveland) — COMMERCIAL and APARTMENT — H. B. Townsend, pres. Townsend Motor Co., 12100 Detroit Ave., taking bids on revised plans 2 story and basement, brick and steel, Beach and Detroit Aves. $150,000. F. W. Bail, Hanna Bldg., Cleveland, archt.

Ind., East Chicago—LODGE—Mar. 10, by I. O. O. F. Lodge, 3 story and basement, 50 x 125 ft., rein.-con., brick and steel, Bway. and Grand Ave. $150,000. Buckley & Skidmore, Hammond, archt.

Ind., Ft. Wayne—STORE—Mar. 1, by Hilgeman & Schaaf, 209-11 East Wayne St., 4 story and basement, 60 x 150 ft., rein.-con., brick and steel store. $150,000. Simpson & Parkinson, Ft. Wayne, archts. Abbott-Fawley Furniture Co., Lessee.

Ill., Chicago—APARTMENT—L. F. Urbain, archt., 1254 Lake Shore Dr., taking bids (by request only), 4 story and basement, 94 x 110 ft., brick, steel, terrazo, 72nd St. and Exchange Ave., for F. W. Merrill, c/o architect. $185,000.

Ill., Chicago—THEATRE, STORE and APARTMENT—Z. E. Smith, archt., 305 East 55th St., taking new bids 3 story and basement, 125 x 265 ft., brick and terra cotta, 75th St. and Kingston Ave., for E. I. Bloom, 6711 Stony Island Ave. $1,000,000. Noted Jan. 10.

Ill., Chicago—WAREHOUSE—Feb. 20, by A. Epstein, archt., 2001 West Pershing Rd., 3 story and basement, 150 x 165 ft., rein.-con. and brick, 2542-54 Ogden Ave., for Royal Blue Stores, Inc., 120 North Peoria St., J. S. Pohn, pres. Archts. est. $450,000.

Mo., St. Louis—MEMORIAL OFFICE—Episcopal Church of U. S., c/o W. Scarlett, dean, 1210 Locust Blvd., taking bids 6 story and basement, 106 x 106 ft., rein.-con., brick, stone and granite, 13th St. and Locust Blvd. $400,000. Former bids rejected. Jamieson & Spearl, Arcade Bldg., archts. Noted Jan. 20.

Tex., Corpus Christi—HOTEL—Princess Louise Hotel Co., taking bids and open same about Mar. 1, 5 story, 100 x 115 ft., rein.-con., brick and steel, plain foundation. $250,000. W. W. Watkin, c/o Scanlan Bldg., Houston, archt.

Ore., Portland—THEATRE—See "Contracts Awarded."

Calif., Alhambra—ADMINISTRATION—See "Contracts Awarded."

Calif., Los Angeles — APARTMENTS — See "Contracts Awarded."

Calif., Los Angeles—HOTEL—See "Contracts Awarded."

Calif., Los Angeles — THEATRE and OFFICE—United Artists Theatre Corp., 922 South Olive St. taking bids 12 story and basement, 150 x 150 sq. ft., steel and rein.-con., Bway. between 9th and 10th Sts. $1,000,000. Walker & Eisen, Western Pacific Bldg., archts. Noted Feb. 3.

Calif., Oakland — OFFICE — See "Contracts Awarded."

Calif., Ventura—LODGE—A. F. Priest, archt., Fay Bldg., Los Angeles, taking bids 4 story, brick and steel lodge here, for Ventura Masonic Building Assn. $150,000.

Bids Received

Mass., Boston—SURGICAL—City, Hospital Dept., Harrison Ave., Feb. 11, 8 story and basement, 45 x 140 ft., brick, stone, and steel, plain foundation, East Concord St., from J. Rugo, 80 Boylston St. $588,000. Noted Jan. 27.

Ga., Atlanta—STORE—J. P. Allen & Co., 51 Whitehall St., 3 story and basement department store, Peachtree and Cain Sts., from D. D. Thomas & Son, 463 North Dunlap St., Memphis, Tenn. Archts. est. $400,000.

Calif., Los Angeles—GARAGE—F. C. Hill, Merchants Natl. Bank Bldg., 12 story and basement, 78 x 155 ft., rein.-con., Spring St. between 4th and 5th Sts., from C. L. Peck, 721 H. W. Hellman Bldg., $425,550. Noted Jan. 20.

Calif., Los Angeles — HOSPITAL and MUSEUM—Supervs. Los Angeles Co., Jan. 24, approximately 11,000 tons steel for County Hospital, from Llewellyn Iron Wks., 1200 North Main St., at $87 per ton; also 3,000 tons structural steel for Los Angeles Museum, Unit 2, from McClintic-Marshall Co., 426 South Spring St., $86.60 per ton. Noted Jan. 13.

Calif., Napa—HOTEL—Napa Hotel Co., brick and steel hotel, from Dinnie Constr. Co., 3757 Bway., Oakland, $196,571.

Calif., Sacramento—ADMINISTRATION—Supervs. Sacramento Co., general contract part 3 and 4 story, rein.-con. and brick, from W. C. Keating, Forum Bldg., $258,500; electrical work, from Latourette-Fical Co., 907 Front St., $33,032; and plumbing, from Luppen & Hawley, 3126 J St., $61,263. Noted Dec. 16.

Contracts Awarded

Vt., Randolph — HOME — Eastern Star Home, J. H. Mellen, Wallingford, 3 story and basement, brick and stone, plain foundation, Maple St., here, to Rowe Constr. Co., Woodsville. Archts. est. $150,000.

Mass., Cambridge (Boston P. O.)—BANK and OFFICE—Central Trust Co., W. G. Davis, pres., 6 story and basement, 90 x 100 ft., brick, steel and stone, plain foundation, 513 Massachusetts Ave., to W. Coulson Co., Kendall Sq. Bldg. Archts. est. $500,000. Noted Dec. 2.

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Buildings—Commercial (Continued)

Mass., Dorchester (sta. Boston)—STORE and OFFICE — B. Rockman, 41 Nobscot Rd., Newton, will build 2 story and basement, 100 x 150 ft., brick and stone, plain foundation, Dorchester Ave. opposite Charles St., here. $150,000. Work will be done by separate contracts. Silverman, Brown & Heenan, 51 Cornhill, Boston, archts. Noted Oct. 21.

Mass., Lexington—TOWN HALL and MEMORIAL—Town, R. P. Clapp, chn. com., 50 State St., Boston, general contract 2 story and basement, brick, stone and granite, plain foundation, Massachusetts Ave. and Plummer St., to J. W. Duff, 146 Summer St., Boston. Archts. est. $500,000. Noted Dec. 16.

Mass., Lynn—STORE and OFFICE—H. Goodman, 56 Central Ave., 4 story and basement, 60 x 100 ft., brick and stone, plain foundation, Market St., to C. H. Cunningham & Sons, 23 Central Ave. Archts. est. $150,000. Noted Nov. 18.

Mass., Milford — THEATRE — Milford Realty Corp., 333 Washington St., Boston, 1 and 2 story and basement, 60 x 100 ft., brick, steel and stone, plain foundation, Park, Main and Congress Sts., to M. & D. Constr. Co., Inc., 40 School St., Boston, Archts. est. $150,000. Noted Feb. 3.

Mass., Swampscott — STORE and OFFICE — E. Fittingoff, 34 Franklin Ave., Revere, 3 story and basement, brick and stone, plain foundation, Humphrey St., to J. F. Fittingoff, Franklin Ave. Archts. est. $150,000.

Mass., Waltham (Ind. br. Boston)—BANK — Waltham Trust Co., S. H. Eldridge, pres., altering and constructing 2 story and basement, rein.-con., brick and steel addition, plain foundation. Moody and Pine Sts., to J. F. Griffin Co., 15 Exchange St., Boston. Archts. est. $150,000.

Mass., Westboro — BANK — Westboro Savings Bank, M. H. Walker, pres., 2 story and basement, rein.-con., brick and steel, plain foundation, to J. Miles & Son, 393 Main St. Archts. est. $150,000. Noted Dec. 30.

Conn., Hartford—COURT HOUSE—Hartford Co., S. H. Graham, secy., 3 story, 180 x 242 ft., brick and steel, Washington St., to E. J. Pinney, Inc., 220 Dwight St., Springfield, Mass., $1,475,450. Noted Jan. 27.

N. Y., Glens Falls—STORE and OFFICE—G. A. Rogers, 32 Bway., 6 story, brick, steel and stone, plain foundation, Bay and Maple Sts., here, to M. Shapiro, 1560 Bway., New York City. Archts. est. $600,000. Noted Dec. 23.

N. Y., New York—APARTMENT—Sist Bros., Inc., J. Herskovitz, pres., 1440 Bway., 15 story, brick, steel and stone, plain foundation, 261 Central Park West, to S. S. Roth & Son, 1440 Bway., Archts. est. $1,400,000. Noted Feb. 10.

N. J., Highland Park (Br. New Brunswick)—THEATRE—Famous Players, 485 5th Ave., New York City, N. Y., 2 story, theatre, here, to Heller Constr. Co., 800 Broad St., Newark, for Paramount Theatre, 929 Broad St., Newark. $225,000.

N. J., Irvington—APARTMENT—Arcade Holding Co., E. and H. Goldfarb, 870 Broad St., will build brick, steel and stone, plain foundation, Chancellor Ave. and Lincoln Pl. $210,000. Work will be done by separate contracts.

Pa., Mt. Royal (Glensshaw P. O.)—MAUSOLEUM — Mausoleum Constr. Co., 141 1st Natl. Bank Bldg., Pittsburgh, 1 story, 66 x 140 ft., marble, granite and bronze, Mt. Royal Cemetery, near Allison Park, to Ferris Eng. Co., Empire Bldg., Pittsburgh. Archts. est. $250,000. Noted Oct. 7.

Pa., Phila.—APARTMENT—H. Barton, 6201 Christian St., will build 4 story and basement, 75 x 205 ft., brick and steel, plain foundation, 58th and Florence Sts. $300,000. I. W. Levin, 1011 Chestnut St., archt. Work will be done by separate contracts.

Pa., Phila.—BANK and APARTMENT—W. H. Lee, archt., 1505 Race St., 8 story and basement, 50 x 93 ft., rein.-con., brick and steel, plain foundation, 17th and Tioga Sts., to H. P. Schneider, 3713 Old York Rd., for Tioga Trust Co., 17th and Tioga Sts. Noted Feb. 10.

Pa., Phila. — BANK and OFFICE — Rankin, Kellogg & Crane ,archts., 1805 Walnut St., 13 story, mezzanine and basement, 60 x 145 ft., rein.-con., brick and steel, plain foundation, 17th and Chestnut Sts., to Turner Constr. Co., 1800 Walnut St., for Provident Trust Co., 409 Chestnut St. Archts. est. $1,000,000. Noted Oct. 14.

Pa., Phila.—THEATRE—Appolo Amusement Co., 1237 North 52nd St., 2 story and basement, 98 x 228 ft., rein.-con., brick and steel, plain foundation, 24th and Arlington Sts., to E. Pierce, 1600 Arch St.

Pa., Pittsburgh—APARTMENT—Haddon Hall Corp., 3412 5th Ave., general contract 4 story and basement, 50 x 137 ft., brick on hollow tile and steel, Center Ave. and Neville St., to Toupet Building Co., 3412 5th Ave. Archts. est. $225,000.

Pa., Waynesboro—BANK—First Natl. Bank, 1 story and basement, 75 x 125 ft., rein.-con., brick and steel, plain foundation, to A. R. Warner, Waynesboro. Noted Feb. 3.

Pa., Wilkinsburg—STORE and APARTMENT—L. Hunter, Oliver Bldg., Pittsburgh, general contract 3 story and basement, brick and steel store and apartment, here, to E. Z. Peffer, 747 Hill Ave., Archts. est. $150,000. Noted Dec. 30.

D. C., Wash.—SHOWROOM and GARAGE—A. P. Clark, Jr., archt., 811 14th St. N. W., 4 story, 106 x 135 ft., rein.-con. 17th and M Sts., to C. H. Tompkins Co., 1612 Park Rd. N. W., for Emerson & Orme, 1620 M St. N. W., archts. est. $300,000. Noted Feb. 3.

N. C., Greensboro—THEATRE—Carolina Theatre Co., 110 x 215 ft., fireproof, Green St., to Consolidated Eng. Co., Baltimore, Md. $300,000.

Ky., Louisville—BANK and OFFICE—First Natl. Bank and Kentucky Title & Trust Co., 5th and Market Sts., 10 story, rein.-con., brick and steel, plain foundation, 5th and Jefferson Sts., to L. Jacobson & Sons, 1st Natl. Bank Bldg. Archts. est. $650,000.

Ind., East Chicago — STORE, APARTMENT and OFFICE—Frailich Bros., 3502 Cedar St., general contract brick and steel apartment, store and office building, to R. Clark, 4005 Grand Blvd. Archts. est. $150,000.

Ind., Whiting—HOTEL and STORE—J. Sullivan, 607 119th St., general contract 4 story and basement, 100 x 125 ft., brick, steel and stone, to W. Mitchell, 9233 Commercial St., Chicago, Ill. Archts. est. $300,000.

Mich., Lincoln Park (br. Detroit)—EXCHANGE — Michigan Bell Telephone Co., Cass Ave., Detroit, 2 story and basement, rein.-con., brick and steel, plain foundation, to W. E. Wood Co., 1805 Ford Bldg., Detroit. Archts. est. $150,000.

Ill., Chicago — APARTMENT — Bailey Constr. Co., 180 North Michigan Ave., masonry contract 3 story, 115 x 140 ft., brick, 2332-44 Addison St., to Arneman & Revers, 6448 North Western Ave.; and carpentry contract, to R. Krugly, 5522 Jackson Blvd. Archts. est. $150,000.

Ill., Chicago — FLORISTS — J. B. Lavezzoir, 56 West Washington St., general contract 3 story, 145 x 235 ft., rein.-con., 1301-41 West Randolph St., to J. W. Snyder Co., 307 North Michigan Ave. Archts. est. $1,000,000. Noted Jan. 27.

Ill., Chicago — GARAGE — Fox & Fox, archts., 38 South Dearborn St., general contract 5 story and basement, 150 x 150 ft., rein.-con., 1011-27 North Clark St., to Thorgersen & Erickson Co., 4804 North Kedzie Ave., for J. O. Stoll, 245 East Grand Ave. Archts. est. $200,000. Noted Jan. 6.

Ill., Chicago — HOSPITAL — St. Vincent Infant Asylum, North La Salle and Huron Sts., general contract (4th unit) 6 story and basement, 100 x 218 ft., rein.-con., brick and stone addition, North La Salle and West Huron Sts., to Dahl-Stedman Co., 11 South La Salle St. Archts. est. $400,000.

Ill., Chicago—HOTEL and STORE—Fox & Fox, archts., 38 South Dearborn St., general contract 4 story and basement, 80 x 150 ft., rein.-con., brick and terra cotta, 1001-15 North Clark St., to Thorgersen & Erickson Co., 4804 North Kedzie Ave., for J. O. Stoll, 245 East Grand Ave. Archts. est. $200,000.

Ill., Oak Park — HOTEL — Oak Park Arms Hotel, general contract 6 story and basement, 100 x 178 ft., brick and terra cotta addition, Washington Blvd. and Oak Park Ave., to Fridstone & Co., 111 West Washington St. Archts. est. $600,000.

Wis., Milwaukee — APARTMENT — Backes & Uthus, archts., 208-3rd St., 4 story and basement, 50 x 100 ft., brick and concrete, plain foundation, Sycamore and 20th Sts. to E. Steigerwald & Sons, 51st and State Sts., for Jackson Co., c/o architects. Archts. est. $150,000. Noted Dec. 2.

Mo., St. Louis—APARTMENT—Owner, c/o S. J. Abrahams & Son (archts. and contractors), 1123-25 Chemical Bldg., will build 7 story and basement, 150 x 150 ft., rein.-con., brick and stone apartment. Archts. est. approximately $500,000.

Mo., St. Louis—BANK—Cass Avenue Bank, 1501 Cass Ave., 1 story and basement, 100 x 130 ft., rein.-con., brick and stone, incl. boiler room, safety deposit vaults, etc., Cass Ave. and 13th St., to St. Louis Bank Building & Equipment Co., 9th and Sidney Sts. Archts. est. $250,000.

Mo., St. Louis — EXCHANGE — Southwestern Bell Telephone Co., 11th and Pine Sts., 4 story and basement, 100 x 125 ft., rein.-con., brick and stone addition, Locust and Beaumont Sts., to Murch Bros. Constr. Co., Ry. Exch. Bldg. Archts. est. $275,000.

Tex., Amarillo—HOTEL—A. Davidson, 17 story, 120 x 140 ft., 7th and Tyler Sts., to Hughes-O'Rouke Constr. Co., 1713½ Live Oak St., Dallas, $2,000,000. Baker Hotel Corp., 1400 Commerce St., Dallas, lessee.

Tex., Amarillo—OFFICE—C. Fiske, c/o G. C. Carlander, archt., Massie Bldg., general contract 10 story and basement, 60 x 140 ft., rein.-con. and brick, plain foundation, Polk St., to Gilsonite Contg. Co., Athletic Bldg. Archts. est. $800,000 cost plus basis. Noted Jan. 20.

Tex., Houston—WAREHOUSE—Burress & Rogers, 1220 Washington Ave., 72 x 242 ft., rein.-con., Goliad St., to J. B. Townsend, Post Dispatch Bldg., 2 story, $81,000, or 3 story $100,893.

Okla., Tulsa—OFFICE—Waite Phillips, c/o Waite Phillips Oil Co., Petroleum Bldg., 20 story and basement, rein.-con., brick, steel and terra cotta office building, to Long Constr. Co., 600 Rialto Bldg., Kansas City, Mo. Archts. est. $2,500,000. Noted Feb. 10.

Ore., Portland — THEATRE — Portland Paramount Corp., 5th and Salmon Sts., 40 x 70 ft., and 115 x 180 ft., rein.-con. and steel theatre, 80 ft. high, Bway. and Salmon Sts., to Scoffield Eng. & Constr. Co., 5th and Salmon Sts. Archts. est. $1,000,000. Contractor taking sub-bids.

Calif., Alhambra—ADMINISTRATION—C. F. Braun & Co. will build 4 story, 45 x 170 ft., rein.-con. and steel, by day labor.

Calif., Los Angeles—APARTMENTS—California Finance & Building Co., 4413 West 2nd St., will build four 3 story, brick and concrete, Carlton Way, St. Andrews Pl., and Mariposa Ave., by day labor. $255,000 or more.

Calif., Los Angeles—GARAGE—F. C. Hill, Merchants Natl. Bank Bldg., 13 story and basement, 78 x 155 ft., rein.-con., Spring St., to C. L. Peck, H. W. Hellman Bldg., approximately $450,000. Noted Jan. 20.

Calif., Los Angeles—HOSPITAL—Pacific Hospital Assn., c/o J. Frauenfelder, archt., Story Bldg., 6 story and basement, 122 x 150 ft., rein.-con., Alvarado St., to Bavin & Burch, 173 East Jefferson St. To exceed $150,000. Noted Oct. 7.

Calif., Los Angeles — HOTEL — J. M. Close, 241 North Western Ave., will build 4 story and basement, 50 x 140 ft., brick, Western Ave., by day labor. $150,000. Private plans.

Calif., Los Angeles—THEATRE—R. C. Lowe, et al, c/o C. F. Plummer, archt., Story Bldg., 80 x 160 ft., brick and steel, Whittier Blvd., to M. L. Marvin, 6001 South Van Ness Ave. To exceed $150,000. Noted Feb. 3.

Calif., Oakland—OFFICE—Bacon Land Co., Richfield Oil Bldg., 12 story and basement, brick and concrete, Franklin St. near 17th St., to Thebo-Starr & Anderton, 304 Builders Exch. Bldg., $380,000.

Calif., Oakland — OFFICE — Fairview Properties Co., Inc., c/o L. L. Taylor, Ray Bldg., will build (1st unit) 5 story and basement, rein.-con. and steel, 13th Ave. and East 14th St. $250,000. Work will be done by segregated contract system under supervision of A. Young Co., archt., 339 15th St. Noted Dec. 30.

Calif., Oakland—OFFICE—Pacific Telephone & Telegraph Co., 140 New Montgomery St., San Francisco, general contract 5 story addition, Franklin St., to W. G. Thornally, 351-12th St., approximately $320,500; steel, to California Steel Co., Hobart Bldg., San Francisco, $28,407.

Calif., Sacramento — HOSPITAL ADMINISTRATION — Supervs. Sacramento Co., general contract part 3 and 4 story, rein.-con. and brick, to W. C. Keating, Forum Bldg., $258,500; electrical work, to Latourette-Fical Co., 907 Front St., $33,032; and plumbing, to Luppen & Hawley, 3126 J St., $61,263. Grand total $352,795. Noted Feb. 10.

Calif., San Francisco—APARTMENT—A. H. Larsen, archt., 582 Market St., 6 story and basement, brick and steel, Fulton and Scott Sts., to D. Hayes, 835-35th Ave., for Scott Fulton Investment Co., c/o architect. $165,000. Noted Feb. 10.

Calif., San Francisco — STORE — O'Connor-Moffatt Co., 121 Post St., 5 story and basement addition, O'Farrell and Stockson Sts., to Dinwiddie Constr. Co., Crocker Bldg., $1,750,000.

Calif., San Gabriel—THEATRE—Mission Playhouse Corp., Los Angeles, finishing work 2 story, 150 x 150 ft., brick and con-

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Buildings—Commercial (Continued)

crete, incl. auditorium, 2,000 seating capacity, here, to W. Simpson Constr. Co., Bank of Italy Bldg., Los Angeles, $500,000.

Calif., Santa Maria—THEATRE, STORE and HOTEL—Eight & Bway. Corp., Los Angeles, 5 story, 50 x 115 ft., rein.-con., Bway. and Cypress Ave., here, to Bard Constr. Co., Union Oil Bldg., Los Angeles, $250,000.

Ont., Toronto — APARTMENT — St. Joseph Properties Ltd., 16 St. Joseph St., general contract 4 story, steel and timber, concrete foundation, St. Joseph and Nicholas Sts., to J. D. Young & Apperley, 428 Ossington Ave. Archts. est. $150,000.

Ont., Toronto — LOFT — Fashion Cloak Co. Ltd., 83 Spadina Ave., general contract 8 story and basement, rein.-con., Spadina Ave. and Camden St., to Anglin Norcross Ltd., Temple Bldg. Archts. est. $300,000.

Ont., Toronto—THEATRE and STORE—Famous Players Canadian Corp., Royal Bank Bldg., general contract 2 and 3 story and basement, rein.-con., brick and steel, plain foundation, Bloor St., to Yolles & Rotenberg, Federal Bldg. Archts. est. $250,000.

Ont., Toronto—SHOW ROOM—Provident Investment Co., 46 King St. W., general contract 3 story, rein.-con., brick and steel, Bay and Charles Sts., to Cox & Best, 46 King St. W. Archts. est. $150,000.

B. C. Vancouver — HOTEL — Canadian Pacific R.R. Co., Windsor Sta. Montreal, Que., J. M. R. Fairbairn, ch. engr., altering rotunda and new main entrance to hotel, Granville and Georgia Sts., here, to Carter Halls-Aldinger Co., 500 Beatty St., $150,000; altering elevator, also 2 additional elevators and new equipment, to Otis-Fensom Elevator Co., 1152 Mailand St., $175,000.

Buildings—Industrial

Proposed Work

Mass., Nantucket—GAS and ELECTRIC PLANT—Citizens Gas, Electric & Power Co., 56 Main St., making plans 1 and 2 story, brick addition, Crosby Pl. $40,000 or more. Private plans.

Conn., Hartford — PLANT — Hartford Electric Light Co., 266 Pearl St., T. H. Horen, vice-pres., in charge, plans rein.-con., brick and steel addition, incl. mercury boilers and turbines, South Meadow St. To exceed $40,000.

Conn., New Britain — GENERATOR — New Britain Gas Light Co., 23 West Main St., had plans prepared by M. Unkelbach, 52 Main St., 1 and 2 story, 20 x 37 ft., and 37 x 60 ft., brick, steel and concrete generator and blower room building. $40,000.

N. Y., Buffalo — OIL HOUSE and LAUNDRY — Mount Mercy Hospital, 1475 Abbott Rd., soon takes bids 2 story, 45 x 60 ft., rein.-con. and brick, Abbott Rd. $60,000. H. L. Spann, 52 West Chippewa St., archt.

N. Y., Syracuse—GARAGE and SALES ROOM—Nash Sales Corp., 713 West Genessee St., having plans prepared by M. L. King, Dennison Bldg., 2 story and basement, 130 x 267 ft., rein.-con. brick and steel, plain foundation, 711 West Genessee St. $75,000.

N. Y., Schenectady—ENAMELED WIRE WORKS—General Electric Co., River Rd., C. G. Hulth, supt., general contract 1 story, 180 x 280 ft. with 54 x 120 ft., 46 x 220 ft. and 26 x 60 ft. side aisles, steel addition, to H. K. Ferguson Co., 4900 Euclid Ave., Cleveland, O. Engrs. est. $200,000.

Pa., Coraopolis — MANUFACTURING—Standard Steel Spring Co. having plans prepared 1 story, 75 x 240 ft., and 120 x 420 ft., brick and steel manufacturing buildings. $100,000. Private plans.

Pa., Greensburg—LAUNDRY—Keystone Sanitary Supply Co. plans 2 story, 45 x 140 ft. laundry, Hamilton St. $40,000. Private plans.

Pa., Phila.—MANUFACTURING—Philadelphia Boiler Wks., 1737 Filbert St., having plans prepared by R. Benckert, 13th and Chestnut Sts., 3 story manufacturing plant, 1708-10 Callowhill St.

Pa., Phila. — FACTORY — Natl. Licorice Co., 106 Johns Sts., Brooklyn, N. Y., plans 4 story and basement, 150 x 185 ft., rein.-con. and brick, plain foundation, 13th and Washington Sts., here.

Pa., Pittsburgh — WAREHOUSE and BOILER HOUSE, etc. — Rodgers Sand Co., 1 Wood St., having preliminary plans prepared by Hunting, Davis, Dunnells, Century Bldg., warehouse, sand and gravel unloading plant, storage and distribution plant, garage and boiler house, Ridge Ave. $250,000.

Pa., York—ROOFING PLANT—Certainteed Products Corp., 100 East 42nd St., New York City, had plans prepared by Klipstein & Rathman, 316 North 8th St., St. Louis, Mo., 2 story, 109 x 145 ft., rein.-con. and steel addition, here.

Md., Baltimore — POWER HOUSE — Crosse & Blackwell, c/o Clark, MacMullen & Riley, engrs., 101 Park Ave., New York City, 56 x 66 ft., rein.-con. and brick, plain foundation, Eastern Ave. near 42nd St., to M. A. Long Co., 10 West Chase St., $400,000. Noted Jan. 27.

Md., Vienna—POWER PLANT—Eastern Shore Gas & Electric Co., Salisbury, Natl. Pub. Serv. Corp., 165 Bway., New York City, is holding company, plans 16,000 h.p. turbine station, rein.-con. $2,000,000. Private plans.

Va., Hopewell — PLANT and RESIDENCES — Allied Chemical & Dye Corp., 61 Bway., New York City, purchased more than 300 acre site and plans plant and 600-700 residences, here. $5,000,000.

N. C., Charlotte — SILK MILL — Natl. Fabric Co., 303 4th Ave., New York City, N. Y., F. H. Shloss, secy., purchased 110 acre site on Mt. Holly Rd. and plans 100 Jaquard loom silk mill, near here.

Tenn., Newport — HYDRO-ELECTRIC PLANT — City plans hydro-electric plant on Pigeon River. $200,000. Address Mayor. Engineer and architect not selected.

Tenn., Wales — PHOSPHATE ACID PLANT — International Agricultural Corp., Mt. Pleasant, plans plant, near here. $150,000.

O., Bowling Green—POWER HOUSE, etc.—See "Buildings—Commercial."

O., Cincinnati—FACTORY—Presto Light Co., Schmidt Bldg., 2 story and basement, steel, plain foundation, Brotherton Rd., to Blaw-Knox Constr. Co., Farmers Bldg., Pittsburgh, Pa., $59,750.

O., Cleveland—BOILER HOUSE—Canfield Oil Co., C. McLean, vice-pres., 3216 East 55th St., plans brick and steel boiler house, East 52nd St. and Western & Lake Erie R.R. tracks. $40,000. Private plans.

O., East Liverpool—FACTORY, etc.—Officers Patterson Fdry. & Machine Co., take bids about Mar. 5, 1 story, brick and steel foundry, and 2 story office building, St. George St. East End. $50,000.

O., East Liverpool—BAKERY—Kaiser Baking Co. soon takes bids 1 story, 40 x 1,000 ft., brick, steel and concrete, Globe and Martin Sts. $40,000.

O., East Palestine—FACTORY—Natl. Tire & Rubber Co., soon takes bids 2 story and basement, 40 x 120 ft. factory. $40,000.

Ind., Indianapolis—PACKING PLANT—Wadley Co., 335 West North St., having revised plans prepared by W. H. Albersmeier, 122 East Ohio St., 3 story, 50 x 158 ft., poultry packing plant, rein.-con., brick and steel. $55,000.

Mich., Lincoln Park (mail Detroit)—FACTORY—Universal Cooler Corp., 605 Book Bldg., Detroit, having plans prepared 1 story, rein.-con., brick and steel, plain foundation, Dix Highway, here. $100,000. Private plans.

Ill., Chicago — SERVICE STATION and SALESROOM — Holton, Seelye & Co., 140 South Dearborn St., having plans prepared by L. E. Russell, 140 South Dearborn St., 2 story, brick, 235-59 33rd St. E. $100,000.

Ill., Springfield—PLANT—Wabash Ry. Co., Exch. Bldg., St. Louis, Mo., R. H. Howard, ch. engr., plans rebuilding plant, 1009 South 9th St., recently destroyed by fire, here. $200,000. Engineer and architect not selected. G. B. Smith Color & Chemical Wks., 1st Natl. Bank Bldg., lessee.

Wis., Milwaukee—WAREHOUSE—Gruenschow Furniture Packing Co., 1024 20th St., having plans prepared by Eschweiler & Eschweiler, 210 Mason St., 5 story, 62 x 120 ft., brick and concrete, plain foundation, Center St. $100,000.

Ia., Ames—DAIRY PLANT—State Bd. Educ., W. H. Gemmill, secy., State House, Des Moines, having preliminary plans prepared 2 story, brick, stone and rein.-con. dairy plant. $500,000.

Mo., Kansas City—FEED MILL—Purina Mills, Rochester and Scott Sts., having plans prepared rein.-con. addition. Private plans.

Mo., Kansas City — FLOUR MILL — Washburn Crosby Milling Co., 714 Bd. Trade Bldg., plans rein.-con. addition. Private plans.

Mo., Kansas City—MARKET—City making plans rein.-con. market. To exceed $40,000. Engineer and architect not selected.

Mo., Manchester—ICE and COLD STORAGE PLANT—St. Louis Ice & Cold Storage Co., 9237 Manchester Ave., Maplewood, soon takes bids 1 story, 40 x 75 ft., rein.-con. and brick, here. $40,000. H. G. Clymer, Wainwright Bldg., St. Louis, archt. Noted Nov. 11.

Mo., St. Louis — SERVICE — Bd. Pub. Serv., 208 City Hall, takes bids in March, 3 story and basement, rein.-con., brick and stone service building, incl. central heating plant, laundry, garage and repair shop, for Fire Dept., etc., Clark Ave. $960,000. Study & Farrar, Arcade Bldg., archts. Noted Oct. 28.

Texas — CANNING and PACKING PLANTS — Texas Food Packers, D. B. Chapin, pres., 505 Natl. Bank of Commerce Bldg., San Antonio, plans chain canning and packing plants to market as Del-Tex. brand, in state. $3,000,000. Private plans.

Texas—PRESERVING, CANNING, ICE and DEHYDRATING PLANTS—Winter Garden Securities Co., c/o W. B. Bass, secy.-treas., Republic Bank Bldg., Dallas, making plans developing townsite, etc., incl. preserving and canning plant $50,000, ice plant $50,000, and dehydrating plant $50,000, at Seefeld Switch between Carrizo Springs and Big Wells. Private plans.

Tex., San Benito—ELECTRIC and ICE PLANTS—Valley Electric & Ice Co., c/o F. C. Ludden, mgr., plans expending $3,000,000 for new construction, alterations and improvements to new electric ice plants. Private plans.

Tex., Troup—CANDY PLANT—T. O. Wright making plans candy plant, concrete and brick, near intersection highways from Troup, Tyler and Henderson. Address owner direct.

Tex., Wichita Falls — CREAMERY — Snowhite Creameries having plans prepared 50 x 150 ft., brick and rein.-con. creamery. $60,000. Pate & Thompson, 1005 City Natl. Bank Bldg., engrs.

Colo., Denver—ROLLING MILL—Western Steel Corp., headed by D. Lamon, Foster Bldg., plans 75 x 800 ft. rolling mill, near here.

Wash., Seattle — FACTORY — Electric Products Corp. of Washington, headed by H. F. Alexander, 1519 Railroad St., plans factory. $300,000.

Wash., Seattle — LAUNDRY and BOILER HOUSE—Troy Laundry Co., Republic and Nob Hill Sts., takes bids about Mar. 2, 2 story and basement, 121 x 151 ft., rein.-con. laundry, and 40 x 50 ft. boiler house with 110 ft. brick stack, Fairview and Thomas Sts. $300,000. V. W. Voorhees, Lloyd Bldg., archt.

Calif., Bakersfield — MACHINE and BLACKSMITH SHOPS—F. E. Smith, clk. Kern Co., rejected bids Jan. 31, machine and blacksmith shops, 4th Rd. Dist. Will readvertise. C. H. Biggar, Bank of Italy Bldg., archt. Noted Jan. 30.

Calif., San Pedro—GAS STORAGE—Southern Counties Gas Co., 810 South Flower St., Los Angeles, F. R. Bain, pres., plans new storage gas plant, here. $125,000.

Ont., Hamilton — MILLS — D. Aitchison Lumber Co., 98 Main St. W., plans rebuilding planing mills, recently destroyed by fire. $85,000 loss.

Ont., Toronto — FACTORY — Scott & Bowne, 54 Princess St., plans concrete, brick and steel, Fleet St. $150,000-$200,000. Engineer and architect not selected.

Bids Desired

Mass., Boston—MANUFACTURING—See "Contracts Awarded."

Mass., Dorchester (Boston P. O.) REPAIR and SERVICE GARAGE—G. V. Wattendorf, 699 Columbia Rd., taking bids 1 story brick and steel, plain foundation, Columbia Rd., Everett Sq. $60,000. L. Kopczynksi, 80 Federal St., Boston, archt.

Mass., Everett (br. Boston)—REPAIR and SERVICE GARAGE—See "Contracts Awarded."

Mass., New Bedford — REPAIR and SERVICE GARAGE — See "Contracts Awarded."

Mass., Worcester—MACHINE SHOP—Boston & Albany R.R. Co., G. A. Kirley, ch. engr. South Station, Boston, taking bids 2 story, 45 x 115 ft., rein.-con. and tile addition, plain foundation, Grafton St., here.

R. I., Providence—PLANT—New England Auto Radiator Wks., taking new bids on revised plans 1 and 2 story, brick addition, plain foundation, 54-56 Federal St. $40,000. Former bids rejected. F. Chraverini, 32 Bway., archt. Noted Jan. 27.

Conn., Bristol—BLACKSMITH SHOP and REPAIR GARAGE—See "Contracts Awarded."

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Buildings—Industrial (Continued)

N. Y., Beacon—POWER PLANT—Feb. 24 (extended date), by Commissioner Mental Hygiene, Capitol, Albany, constructing central power plant, at Matteawan State Hospital, here. S. W. Jones, Capitol, Albany, state archt.; adv. E. N.-R. Feb. 17. Noted Jan. 20 under "Matteawan."

Pa., Phila.—FREIGHT TERMINAL—Feb. 23, by W. H. Cookman, archt., Broad St. Sta., for Buildnig A, 1 story, 110 x 400 ft., and 2 story, 110 x 200 ft.; also Building B, 1 story, 110 x 600 ft.; five 5 x 200 ft. platforms and shelters, Otegon and Delaware Aves., for Pennsylvania R.R. Co., Broad St. Sta. Noted Nov. 18.

Pa., Rochester—POWER HOUSE, etc.—Guarantee Liquid Measure Co. taking bids 2 story and basement, brick and steel power house and office building. $150,000. A. Blackstone, c/o owner, engr.

O., Dover—POWER PLANT—Mar. 15, by Bd. Control, lighting plant addition. $100,000.

Ind., Indianapolis—FOUNDRY—B. & F. Mfg. Co., 2007 Ludlow Ave., A. Foerderer, pres., taking bids 1 story, 60 x 110 ft., rein.-con., brick and steel foundry. Doeppers & Lennox, 226 East Michigan St., archts. Noted Jan. 6.

Ind., Indianapolis—FACTORY—Duesenberg Motor Co., 1511 West Washington St., taking bids 1 story, 70 x 320 ft., rein.-con., brick and steel, 1500 Block West Washington St. $100,000.

Ind., Indianapolis — MACHINE SHOP and SERVICE—Thornburg & Lewis, 1300 Block East Washington St., taking bids 2 story and basement, 90 x 188 ft., brick, terra cotta, and steel machine shop and service building, $50,000. Doeppers & Lennox, 226 East Michigan St., archts. Noted Jan. 13.

Ia., Ames—CHEMICAL ENGINEERING—Feb. 24, by State Bd. Educ., W. H. Gemmill, secy., State House, Des Moines, 2 story, rein.-con. chemical engineering building, here. $45,000.

Minn., Thief River Falls — POWER PLANT — Feb. 24, by City, rebuilding electric power plant, incl. power house, 2 water wheels, complete equipment to double present capacity of 350 hp., and retaining walls, etc. $80,000. Jacobson Eng. Co., 430 Oak Grove St., Minneapolis, engrs. Noted Jan. 27.

Mo., St. Louis — BOX FACTORY — Century Electric Co., 1806 Pine St., taking bids 1½ story, 109 x 124 ft., rein.-con., Pine St. near 19th St. $50,000. Klipstein & Rathman, 316 North 8th St., archts.

Tex., San Angelo—POWER PLANT—See "Contracts Awarded."

Bids Received

O., Chagrin Falls—HEATING PLANT—Bd. Educ., H. B. Pugsley, clk., Feb. 7, general contract centralized heating plant, here, from M. J. Wilson, Willoughby, $17,-138. Noted Jan. 13.

Contracts Awarded

Mass., Boston — MANUFACTURING — I. M. Citron, 535 Albany St., will rebuild 5 story, 100 x 100 ft., brick, 531-539 Albany St., by day labor. $50,000. Private plans.

Mass., Everett (br. Boston)—REPAIR and SERVICE GARAGE — Maltzamn & Rovner, 22 Summer St., will build 1 story, 85 x 140 ft., rein.-con. and brick, Chelsea and Clinton Sts. $45,000. Work will be done by separate contracts. S. E. Moffie, 51 Cornhill, Boston, archt. Noted Jan. 13.

Mass., Somerville (Boston P. O.)—REPAIR, SERVICE and SALESROOM — B. Goldfine, 11 Beacon St., Boston, 1 story, 90 x 210 ft., rein.-con., plain foundation, to Peroner & Bruss, 122 Bway. Archts. est. $50,000.

Vt., Rutland—FACTORY—Rutland Fire Clay Co., 3 story rein.-con. addition, plain foundation, Curtis Ave., to A. J. Bissell, 52 Kingsley Ave. Archts. est. to exceed $40,000.

Conn., Bristol—BLACKSMITH SHOP and REPAIR GARAGE—H. Judd, 206 West St., will build 1 story, 35 x 170 ft., brick, North Main St. Work will be done by separate contracts. Private plans.

Conn., Hartford—PRINTING PLANT—W. H. Lockwood Sons, 175 Pearl St., 2 story, 78 x 93 ft., brick and steel, Edwards St., to Bartlett Brainerd Co., 252 Asylum St. Archts. est. $50,000. Noted Jan. 20.

Mass., New Bedford — REPAIR and SERVICE GARAGE—Pelletier & Berube, 551 Belleville Rd., will build 2 story, 80 x 200 ft., brick and cement block, plain foundation, Purchase St., by day labor under supervision O. Saulnier, archt., 12 Scott St. $100,000.

Conn., New Haven — MANUFACTURING — H. C. Gilbert Co., c/o Lockwood, Green & Co., engrs., 24 Federal St., Boston, Mass., 3 story, 65 x 80 ft., Blakeley Ave., to Immick Co., State St., Meriden.

N. Y., Buffalo—PLANT—Acme Steel & Iron Wks., 245 Military Rd., plant addition, to Austin Co., 245 Military Rd., Rd., $150,000.

N. Y., Long Island City—REPAIR—N. J. Hayes, comr. Water Supply, Gas & Electricity, Municipal Bldg., New York City, repair building, Poyer and Barnewell Aves., here, to Lustbader Lutz Co., 103 Park Ave., New York City, $46,600. Noted Feb. 3.

N. J., Totowa (mail Paterson)—POWER HOUSE, etc.—C. N. Leathem, state archt., State Bldg., Trenton, power house at Totowa Female Feeble Minded Home, here, to E. M. Waldron, 127 Central Ave., Newark, $48,278; laundry and school, to C. J. Smith Constr. Co., 204 Academy St., Trenton, $38,476; recreation and assembly hall, to Bowe & Millimet, 774 Bune Ave., Union City, $102,400. Grand total $300,800.

N. J., Union City—PACKING PLANT—Yardley & Co. Ltd., 15 East 26th St., New York City, 3 story, 80 x 200 ft., rein.-con., brick and steel, plain foundation, Palisade Ave., here, to J. Mitchell Inc., 999 Bergen Ave., Jersey City. Archts. est. $150,000.

Md., Frederick — BOILER HOUSE, LAUNDRY and GARAGE — J. B. Hamme, archt., 31 West Market St., York, Pa., 1 story, 55 x 140 ft., concrete, brick, steel and stone, for Hood College, to L. C. Culler, $45,000. Noted Jan. 27.

O., Cleveland — FACTORY — Cleveland Gasket & Mfg. Co., c/o H. A. Lindsley, mgr., 1610 West 116th St., 2 story and basement, 80 x 120 ft., brick and rein.-con., 1602 West 116th St., to Alexander Bros., Williamson Bldg. Archts. est. $75,000. Noted Jan. 13.

O., Cleveland — FOUNDRY — Crucible Steel Casting Co., W. H. Shepard, pres., West 84th St. and Almira Ave., 1 story, 102 x 160 ft., brick and steel addition, and 27 x 83 ft. sand storage building, West 84th St. and Almira Ave., to C. A. Carson Co., 5716 Euclid Ave. Archts. est. $100,000. Noted Jan. 27.

Ind., Indianapolis — SERVICE and MACHINE SHOP — S. Cohen & Son, 140 West Vermont St., 2 story and basement, 100 x 136 ft., brick and steel service building and machine shop, to Universal Constr. Co., 1925 Massachusetts St. Archts. est. $45,-000. Noted Jan. 13.

Ind., Michigan City—FACTORY—Royal Metal Mfg. Co., 2318 Southwestern Ave., Chicago, Ill., 1 story and basement, brick and steel metal furniture factory here, to T. P. Blank, 1021 West 9th St. Archts. est. $65,000. Noted Jan. 20.

Illinois — WAREHOUSE and PLANT — Certain-teed Products Co., 100 East 42nd St., New York City, 1 story, 125 x 238 ft., rein.-con. and steel warehouse addition, in Marseilles, and 1 story, 40 x 100 ft. plant, 18th St. and Bway., East St. Louis, to Wimmer Contg. Co., 916 Victoria Bldg., St. Louis, Mo. Archts. est. $60,000 and approximately $25,000 respectively.

Ill., East St. Louis — MANUFACTURING—Westcott Valve Co., 21st and Bond Sts., 1 story, 100 x 200 ft., rein.-con., 21st and Bond Aves., to Wimmer Contg. Co., 916 Victoria Bldg., St. Louis, Mo. Archts. est. $40,000. Noted Jan. 27.

Mo., St. Louis — MANUFACTURING — Eternit, Inc., 8200 North Bway., four 1 story, 56 x 180 ft., rein.-con. and steel, 9049 Riverview Dr., to J. H. Bright Constr. & Building Co., Arcade Bldg. Archts. est. $450,000.

Mo., Webster Groves — CHEMICAL PLANT and LABORATORY—W. S. Barnickel Co., 937 East Pacific St., 2 story, 65 x 99 ft. chemical plant, and 2 story, 55 x 83 ft. laboratory, rein.-con. and brick, Pacific St., to William H. Cunliff, 410 North Euclid St., St. Louis. Archts. est. $80,000.

Ark., Nashville — ICE PLANT and STORAGE—Southern Ice & Utilities Co., Santa Fe Bldg., Dallas, Tex., 66 x 99 ft. main buildnig 70 ft. high, 40 x 66 ft. building, 20 ft. high, and 66 x 66 ft. engine room 90 ft. high, rein.-con., to E. W. Sproul Constr. Co., Straus Bldg., Chicago; ice plant machinery for 70-ton plant, to Ball Ice Machine Co., 126 Chateau Ave., St. Louis, Mo. Archts. est. $190,000.

Tex., Galveston — COTTON PLANT — Galveston Cotton Compress & Warehouse Co., c/o W. L. Moody, pres., 2028 Ave. D, 240 x 1,100 ft. cotton plant addition, incl. high density compress, to M. C. Bowden, 1801 C St., $150,000, not incl. machinery.

Tex., San Angelo—POWER PLANT—West Texas Utilities Co., c/o H. Hoppe, supt., Abilene, will build power plant addition, on Lake Concho, near here, by day labor. $300,000. Sargent & Lundy, 1412 Edison Bldg., Chicago, Ill., engrs.

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Buildings — Educational Religious

Proposed Work

Me., Pleasant Point—CHURCH and CONVENT—St. Annes Church, J. O. Sullivan, pastor, Eastport, plans rebuilding 1 and 2 story and basement church and convent, here. $150,000 or more. Engineer and architect not selected.

Mass., Brockton—SCHOOL—Beth Israel School, A. Morrison, 192 Crescent St., plans 2 story and basement, Hebrew school, brick. $200,000. Engineer and architect not selected.

Mass., Charlton—SCHOOL—Town, F. O. Wakefield, chn. building com., plans 2 story and basement, brick and stone school. $150,000. Engineer and architect not selected.

Mass., Everett (Boston P. O.)—SCHOOL—City, C. Bruce chn. building com. plans 2 story and basement, brick Summer St. $150,000. Engineer and architect not selected.

Mass., Everett (br. Boston)—SCHOOL—City of Boston, Schoolhouse Dept., City Hall, takes bids after Mar. 1, 3 story and basement, brick, limestone, and granite plain foundation, Camden St., here. $185,-000. Funk & Wilcox, 26 Pemberton Sq., Boston, archts.

Mass., Grafton—LIBRARY—Town, H. L. Nichols, chn. building com. having preliminary plans prepared by O. A. Thayer, 89 Franklin St., Boston, 2 story and basement, brick, stone, and granite library. $155,000.

Mass., Long Island (Ind. sta. Boston) — NURSES HOME, HOSPITAL, CHILDRENS BUILDING—City of Boston, Institutions Dept., W. S. Kinney, comr., City Hall, plans 3 story, brick nurses home addition, $150,000; brick hospital addition, $250,000; and brick childrens building, $150,000, here. Engineer and architect not selected.

Mass., Marblehead — LIBRARY and MEMORIAL HALL — Town Bd. Selectmen having sketches made by W. H. Quinn, 6 Beacon St., Boston, 1 and 2 story and basement, brick and stone memorial hall and library. To exceed $150,000.

Mass., Medford (br. Boston) — HIGH SCHOOL — City, C. H. Lowell, Schoolhouse Building Comrs., having revised plans prepared by M. A. Dyer, 1 Beacon St., Boston, Senior High School, 3 story and basement, 65 x 115 ft., 65 x 190 ft., and 85 x 205 ft., brick, stone and marble, plain foundation, Forest St. $1,200,000. Noted Jan. 27.

Mass., Newton (Ind. br. Boston)—HOME—Baptist Home of Massachusetts, 308 Brookline St., Cambridge, takes bids after Mar. 1, 3 story and basement, irregular shaped, brick and limestone, Commonwealth Ave. near Lake St., here, $300,-000. Kendall, Taylor & Co., 142 Berkley St., Boston, archts. Noted Jan. 13.

Mass., West Lynn (Ind. sta. Lynn) — LIBRARY — City of Lynn, R. S. Bauer, mayor, City Hall, plans brick library, here. $150,000. Engineer and architect not selected.

Mass., Worcester — NURSES HOME — Worcester City Hospital, C. A. Drew, supt., having preliminary plans prepared by Fuller & Delano, 44 Front St., 3 story and basement, brick, Jacques Ave. $160,000.

Mass., Worcester—PARISH HOUSE—St. Marks Roman Catholic Church, c/o A. J. Smith, archt., 56 Front St., having sketches made 3 story, brick, Freeland and Main Sts. $150,000.

Mass., Worthington — SCHOOL — Town, F. W. Bates, chn. com., having sketches made by R. M. Sizer, 12 Elm St., Westfield, 2 story and basement, brick stone school. $150,000.

R. I., Providence — CHURCH — Central Congregational Church, A. H. Bradford, 27 Stimpson Ave., plans altering and constructing 1 story and basement addition $150,000. Engineer and architect not selected. Noted June 3.

R. I., Providence—HIGH SCHOOL—City, Pub. Buildings Dept., plans Junior High School, brick, Smith St. and Oakland Ave. To exceed $150,000. T. J. H. Pierce, city engr.

R. I., Providence — SCHOOL — St. Patrick's Parish, M. F. Reddy, pastor, had plans prepared by J. F. Hogan, 318 Grosvenor Bldg., 2 story and basement, brick, steel and stone, Smith, Calverly and Jewett Sts. $200,000.

Conn., Hartford—TEMPLE—Congregation Beth Israel, c/o C. R. Greco, archt., 11

Buildings—Educational, Religious (Cont.)

Beacon St., Boston, Mass., having preliminary plans prepared 1 and 2 story and basement, brick and stone, Farmington Ave., here. To exceed $150,000

New York—SCHOOLS—Bd. Educ., 500 Park Ave., New York City, plans Seward Park Senior High School, Broome and Ludlow Sts., P. S. 92, LaFontaine Ave. and East 180th St., P. S. 194, Aqueduct Ave. and 182nd St., New York City; P. S. 194, Gerrittson Beach, P. S. 213 Linden and Georgia Aves., P. S. 222, Bensonhurst, and P. S. 121, 20th Ave. and 54th St., Brooklyn; P. S. 142, 142nd St. and 114th Ave., South Jamaica, P. S. 143, Carpenter Ave., and P. S. 141, 8th and Wolcott Sts., Astoria, all Queens Boro.; also P. S. 5, Richmond. W. J. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, engr. and archt.

N. Y., Buffalo—SCHOOL and CHURCH—Queen of Peace Roman Catholic Church, 84 Block St., having revised plans prepared by Dietal & Wade, 706 Humboldt Parkway, 2 story, 20 x 56 x 68 ft., and 26 x 50 x 102 ft. school and church, Genessee St. $200,000.

N. Y., Jamestown — CHURCH and PARSONAGE — Bethel Lutheran Church, L. Nordstrom, pastor, had preliminary plans prepared by R. Freeburg, archt., 601 Hotel Jamestown, 1 story and basement, 30 x 46 ft., brick and stone, West 3rd St. $700,000.

N. Y., New York—SCHOOL—Bd. Educ., 500 Park Ave., having plans prepared by W. H. Gompert, Flatbush Ave. extension and Concord St., Brooklyn, P. S. 91, brick steel and stone, plain foundation, Aqueduct Ave. and 182nd St. $500,000.

N. Y., Rensselaer—SCHOOL—City takes bids about Mar. 15, school. $150,000. C H. Gardiner, 46 North Pearl St., Albany, archt.

N. Y., Syracuse — GYMNASIUM — Bd. Contr. & Supply, soon takes bids North High School, 2 story and basement, 120 x 120 ft., rein.-con. and steel, plain foundation, 210 Pond St., for Bd. Educ. $150,000. Randall & Vedder, 705 S. A. & K. Bldg., archts. N. F. Pitts, city engr.

N. J., Newark—HIGH SCHOOL, etc.—Bd. Educ., City Hall, authorized $390,000 bonds, high school, Bragan Ave.; and $390,000 bonds, for Fawcett School of Industrial Arts, private plans.

D. C., Wash.—CHURCH and SUNDAY SCHOOL—H. W. Cutler, archt., Architects Bldg., soon lets contract general contract church and Sunday school, 10th and G Sts., for First Congregational Church, $450,000.

D. C., Wash. — CHURCH — Universalist General Church having plans prepared by Allen & Collins, 75 Newbury St., Boston, Mass., National Memorial Church, S and 16th N. W. $300,000.

D. C., Wash. — SCHOOL — Majorie Webster School, 1401 Massachusetts Ave. N. W., having plans prepared by E. St. C., Barrington, Architects Bldg., 18th and E Sts., 3 and 4 story, 50 x 400 ft., ft. stucco School, Rock Creek Park Estates. $400,000.

Tenn., Nashville—SCHOOLS—State Dept. Educ. plans expending $750,000, extensions and additions to State Normal Schools. A. Peay, Gov.

O., Bowling Green — SCHOOL — Bd. Trustees Bowling Green State Normal School made request for appropriations, incl. gymnasium and dormitory for women $400,000, recitation and departmental building $300,000, addition to physical educational building $55,000, power house improvement and equipment $60,000, also tunnels and pipe lines for heating, sewage and water systems $60,000.

O., Columbus — CHEMISTRY — Bd. Trustees Ohio State University, C. E. Steeb, secy., having plans prepared by J. N. Bradford, Ohio State University, Brown Hall, 4 story and basement, 60 x 160 ft., with L on one end, rein.-con., on campus. $300,000.

O., Parma (br. Cleveland) — HIGH SCHOOL—Bd. Educ., I. Siegfried, clk., having plans prepared by Fulton & Taylor, 8120 Euclid Ave., Cleveland, Junior High School, 3 story and basement, brick, steel and concrete, West 54th St. $300,000.

Ind., Ft. Wayne — SCHOOL — School Trustees having plans prepared by Pohlmeyer & Pohlmeyer, Central Bldg., Oxford Grade School, 2 story and basement, rein.-con., brick and steel, Anthony Blvd. and Oxford St. $160,000.

Ind., Indianapolis — SCHOOLS — School Comrs., 150 North Meridian St., having plans prepared 1 story, addition to School 48, incl. teachers and medical rooms, $20,000; Snider & Rotz, Merchants Bank Bldg., engrs., by C. Bayfield, Peoples Bank Bldg., School 85, 10 room, Arlington and University Sts., $150,000; C. R. Ammerman, Continental Bank Bldg., engr., by McGuire & Shook, 931 North Meridian St., School 62, Wallace and 10th St., $43,800; all foregoing brick and steel, by Kopf & Deery, Indiana Pythian Bldg., School 84, 10 class rooms and auditorium, rein.-con., brick and steel, 57th and Central Sts., $179,500; Snider & Rotz, Merchants Bank Bldg., engrs. Noted Dec. 30.

Mich., Ferndale (br. Detroit)—SCHOOL—School Dist. 9 having plans prepared by H. T. Keys, 635 Free Press Bldg., Detroit, 2 story and basement, 23 room, rein.-con., brick and steel, plain foundation. $75,000.

Mich., Kalamazoo—SCHOOL—School for Christian Education, c/o E. S. Batterson, archt., 918 Lane St., having plans prepared 2 story and basement, 62 x 124 ft., rein.-con. and brick, plain foundation, John St. $150,000.

Ill., Woodriver—HIGH SCHOOL—Woodriver-East Alton Community High School Dist., L. G. Osborne, supt., takes bids on or about Mar. 15, 3 story, rein.-con., brick and stone addition. $175,000. W. B. Ittner, 911 Locust St., St. Louis, Mo., archt. Noted Jan. 6.

Ia., Cedar Rapids—GYMNASIUM—Coe College had plans prepared by Graham, Anderson, Probst & White, 80 East Jackson Blvd., Chicago, Ill., 3 story and basement, rein.-con., brick and stone, on campus. $200,000. Noted Feb. 18.

Ia., Iowa City—LIBRARY—State Bd. Educ., W. H. Gemmill, secy., State House, Des Moines, having preliminary plans prepared brick, stone and rein.-con. library, here. $450,000.

Kan., Topeka—APPRENTICE SCHOOL—Atchison, Topeka & Sante Fe R.R. Co., 80 Jackson Blvd., Chicago, Ill., C. F. W. Felt, ch. engr., plans 3 story and basement, incl. balcony, gymnasium, cafeteria, etc., here. $300,000.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., soon takes bids 3 story, 18 class room, rein.-con., brick and stone, incl. kindergarten, Shaw and Vandeventer Aves. $350,000. R. M. Milligan, c/o owner, comr.

Tex., Amarillo—CHURCH—First Baptist Church, G. L. Yates, pastor, having plans prepared by G. A. Carlander, 15 Massie Bldg., brick and stone, Tyler St. $350,000.

Okla., Norman—SCHOOL—Bd. Affairs, Capitol Bldg., Oklahoma City, having preliminary plans prepared by J. Hicks, Braniff Bldg., Oklahoma City, 2 story and basement, 80 x 170 ft., rein.-con. and brick, plain foundation, on campus, here, for University of Oklahoma. $150,000.

Calif., Los Angeles—MEMORIAL HALL—University of Southern California, 3551 University Ave., having preliminary plans prepared by R. C. Flewelling, 423 Camden Dr., Beverly Hills, 3 story, rein.-con., brick and art stone, on campus. $200,000.

Calif., Los Angeles — SCHOOL — J. J. Schumacher, pres. Southwestern University, soon lets contract 7 story, 60 x 150 ft., rein.-con. addition, Hill St. between 10th and 11th Sts. $200,000. A. C. Martin, Higgins Bldg., archt.

Calif., Redlands—SCHOOL—Bd. Trustees Redlands School Dist. voted $375,000 bonds, school buildings, auditorium, $150,000; Junior High School, $165,000, and athletic building, $20,000. Noted Jan. 6.

Calif., Sierra Madre—SCHOOL—Frances De Pauw Industrial School, 4952 Sunset Blvd., Los Angeles, plans fireproof school. To exceed $150,000. Marston, Van Pelt & Maybury, 25 South Euclid Ave., Pasadena, archt.

Que., Montreal — UNIVERSITY—McGill University having plans prepared by Nobbs & Hyde, 14 Phillips St., and soon takes bids 3 story university. $350,000.

Ont., Hamilton — CHURCH — Charlton Ave. United Church soon takes bids 135 x 250 ft. church. Homeward Ave. $250,000.

Ont., Toronto — SCHOOL — Toronto School Comn. takes bids in March, Gledhill, Bolton Ave., Whitney, Hodgson and St. Clements Schools. $320,000.

Ont., Toronto — CHURCH — High Park Baptist Church, Roncesvalles Ave., plans 1 and 2 story and basement, rein.-con., brick and steel, plain foundation, Roncesvalles Ave. and Hewitt St. $150,000. Engineer and architect not selected.

Ont., Toronto — SCHOOLS — Bd. Educ., 155 College St., having plans prepared by C. Dyson, 155 College St., 2 and 3 story and basement, concrete, brick, steel, stone, tile and terrazo additions to Glenhill, Queen Alexandra, Whitney, Hodgson and Harbord Schools. $290,000.

Ont., Toronto — CHURCH — Oakwood Baptist Church, W. F. Mesley, pastor, 25 Glenora Ave., plans 1 and 2 story and basement, concrete, brick and stone, Oakwood and Jesmond Aves. $150,000. Engineer and architect not selected.

Bids Desired

Mass., Gardner—CHURCH—Mar. 20, by Finnish Evangelical Church, C. Hamalainen, pastor, 2 story and basement, 50 x 75 ft., brick and steel, West St. $150,000. Noted Dec. 16.

Mass., North Adams—NURSES HOME—North Adams Hospital H. W. Clark, pres., taking bids 3 story and basement, brick and stone, plain foundation. $150,000. N. C. Bond, 170 Pleasant St., archt. Noted Nov. 4.

Mass., Worcester—SCHOOL—Feb. 23, by City, Pub. Building Dept., 2 story and basement, brick and steel, May St. $150,000. F. Cutting, 44 Front St., archt. Noted Jan. 20.

N. Y., Buffalo—SCHOOL—Feb. 24, by Bd. Educ., P. S. 24, 3 story and basement, 150 x 150 ft., rein.-con., tile and stone, Triangle St. $375,000. E. Crimi, 1411 Genesee Bldg., archt.

N. Y., Geneva—SCHOOL—Feb. 28, by Bd. Educ., brick, steel and stone, plain foundation, Prospect St. $200,000. W. Potter, 22 East 17th St., New York City, archt. Noted Dec. 23.

N. J., Cranford—SCHOOL—Feb. 18, by Bd. Educ., 109 Union Ave., 3 story school, Orange Ave. between Pacific Ave. and Grand St. H. B. Brady, 333 North Broad St., Elizabeth, archt.

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Buildings—Educational, Religious (Cont.)

Pa., Norristown—HIGH SCHOOL—Feb. 25, by School Bd., H. Kranz, secy., Junior High School, 3 story and basement, 149 x 272 ft., rein.-con. and brick, plain foundation, Roberts and Pine Sts. Ritter & Shay, Packard Bldg., Phila., archts. Noted Dec. 2.

La., Baton Rouge—GYMNASIUM and ARMORY—Mar. 2, by Louisiana State University, 3 story, rein.-con. and brick gymnasium and armory. $300,000. Wogan & Bernard, Reymond Bldg., archts.

La., Ruston—ADMINISTRATION, etc.—Mar. 1, by Louisiana Polytechnic College, J. R. Conniff, pres., 2 and 3 story, rein.-con., and brick administration building, etc. $465,000. E. F. Neild, 1205 City Natl. Bank Bldg., Shreveport, archt. Mar. 4.

O., Chagrin Falls — HIGH SCHOOL — Mar. 1, by Bd. Educ., F. W. Taylor, clk., 2 story, brick, steel and concrete addition, South Kinsman Rd. $150,000. C. W. Bates, 77 12th St., Wheeling, W. Va., archt.

O., Columbus—SCHOOLS—Mar. 8, by A. R. Geist, clk. Bd. Educ., Marion Twp., 331 South High St., 98 x 116 ft. school, Smith Rd. $58,500, 114 x 132 ft. school, Scioto Trail $59,000, 81 x 85 ft. addition to Fornoff School $20,000, and 66 x 81 ft. addition to Clearfield School $20,000, all 2 story and basement, brick, steel and concrete. Richards, McCarty & Bulford, 584 East Broad St., archts. Noted Nov. 11.

O., Dover (br. Cleveland) — HIGH SCHOOL—Feb. 26, by Bd. Educ., C. R. Perkins, clk., Dover, 2 story and basement, 38 x 75 ft., brick, steel and concrete addition. $200,000. Fulton & Taylor, 8120 Euclid Ave., Cleveland, archts. Noted Jan. 6.

O., Versailles—SCHOOL—Mar. 12, by A. Wilson, clk. Bd. Educ., 2 story and basement, brick and concrete, plain foundation, $165,000. Walker & Norwick, Amer. Bldg., Dayton, archts.

Mich., Grass Lake—SCHOOL—Feb. 28, by O. Cadwell, secy. Bd. Educ., 2 story and basement, rein.-con., brick and steel, plain foundation. $150,000. Lane, Davenport & Peterson, 1017 Charlevoix Bldg., Detroit, archts. Noted July 22.

S. D., Aberdeen—SCHOOL—Mar. 8, by Bd. Educ., F. E. Wyttenbach, clk., 2 story and basement, rein.-con. and brick school. $165,000. G. F. Fossum, Aberdeen, archt. Noted Dec. 9.

Wash., Seattle—CHURCH—Feb. 25, by Building Com., University Christian Church, 1 story and basement, 103 x 240 ft., concrete and brick, East 50th and 15th Sts. N. E. $200,000. C. Moffitt, Securities Bldg., archt.

Calif., Beverly Hills—SCHOOL—Feb. 24, by Trustees Beverly Hills School Dist., rein.-con. school, incl. auditorium. $200,000 or more. Austin & Ashley, Chamber of Commerce Bldg., Los Angeles, archt. Noted Jan. 6.

Calif., Marysville — HIGH SCHOOL — Mar. 15, by Marysville High School Dist., six 1 and 2 story, terra cotta and frame high school. $300,000 or more. Davis-Pearce Co., Grant & Weber Sts., Stockton, archts.

Calif., San Bernardino—HIGH SCHOOL—Trustees San Bernardino Valley Union Junior College Dist., taking bids Junior High School, rein.-con. To exceed $250,000. H. E. Jones, Katz Bldg., archts.

Calif., San Francisco—HIGH SCHOOL—Mar. 16, by Bd. Pub. Wks., Portola Jr. High School, Burrows and Goettingen Sts., for City and San Francisco Co. $491,500. J. Reid, Jr., City Hall, San Francisco, archt.

Calif., Santa Barbara—ADMINISTRATION—Mar. 7, by State Dept. Pub. Wks., rein.-con. administration building in connection with State Teachers College. G. B. McDougall, Forum Bldg., Sacramento, state archt.

Bids Received

N. Y., North Rose—HIGH SCHOOL—Bd. Educ., Central School Dist. 2, Towns of Rose and Huron, Feb. 7, general contract high school, here, from Rankin Constr. Co., 466 Clinton Ave. S., Rochester, $123,800; heating and ventilating, from F. T. Lawrence, 130 Pine St., Corning, $24,475. Noted Feb. 3.

Mo., St. Louis—SCHOOL—Bd. Educ., 911 Locust St., Feb. 2, general contract 2 story and part basement, rein.-con., brick and limestone, Kings Highway and Penrose St., from Dickie Constr. Co., Syndicate Trust Bldg., $203,591; heating and ventilating, from Sodemann Heat & Power Co., 2306 Morgan St., $31,195. Noted Jan. 20.

Calif., Oakland — HIGH SCHOOL — Bd. Educ., Feb. 1, Lowell Jr. High School, 3 story, brick, incl. assembly hall and gymnasium, from R. W. Littlefield, 357 12th St., $264,440. Noted Jan. 20.

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Calif., Pasadena — CHURCH — L. C. Brockway, archt., Security Bldg., rein.-con. and steel, Los Robles Ave. and Walnut St., from W. T. Loesch, 109 South Chester Ave., for First Congregational Church, approximately $275,000. Noted Nov. 4.

Contracts Awarded

Mass., Lynn—TEMPLE—Temple Bethel, H. Yozel, pres., 11 Gray Circle, 1 story and basement, 65 x 80 ft., brick and stone, plain foundation, Breed and Lewis Sts., to Morrison Constr. Co., 23 Central Ave. Archts. est. $150,000. Noted Dec. 30.

Mass., South Hanson—NURSES HOME—Plymouth Co. Hospital, c/o J. W. Beal Sons Co., archts., 185 Devonshire St., Boston, 3 story and basement, brick and stone, plain foundation, to Cummings Constr. Co., 14 Prospect St., Ware. Archts. est. $150,000. Noted Dec. 16.

Mass., Wellesley — DORMITORY — Wellesley College, altering and constructing 4 story and basement, brick and stone addition to Stone Hall Dormitory, plain foundation, to J. W. Bishop Co., 683 Atlantic Ave., Boston. Archts. est. $150,000.

Mass., Worcester — RECTORY — St. Joseph's Parish, J. C. Alland, pastor, 3 story and basement, rein.-con., brick and stone, plain foundation, Hamilton St., to L. Rocheford & Son, 44 Front St. Archts. est. $150,000.

Pa., Indiana — GYMNASIUM — Indiana State Normal School, J. H. Keith, prof., 1 story and basement gymnasium, to Columbia Constr. Co., Altoona. Archts. est. $150,000. This corrects report in Dec. 30 issue.

Pa., Meadville—SCHOOL—Bd. Educ. and W. C. Eckles Co., archts., New Castle, 2 story and basement, irregular shaped, brick, steel and concrete school, to Natl. Concrete Fireproofing Co., Union Mortgage Bldg., Cleveland, O., $116,700. Noted Jan. 20.

Pa., Phila.—SCHOOL—St. Mary Magdalan de Pazzi, A. Gerratano, pastor, 710 Montrose St., 4 story and basement, 72 x 140 ft., brick and steel, plain foundation, 7th and Cristian Sts., to P. H. Kelly, 1713 Sansom St. Archts. est. $225,000. Noted Jan. 6.

Pa., Phila.—HIGH SCHOOL—Bd. Educ., J. D. Cassell, supt. buildings, general contract Junior High School, 3 story and basement, 183 x 291 ft., rein.-con. and brick, plain foundation, Cottman and Loretto Sts., to McCloskey Co., 1620 Thompson St., $978,471; plumbing, to Bulman Bros., 5th and Cumberland Sts., $41,854; electrical work, to Walker & Kepler, 531 Chestnut St., $48,093; and heating, to McClintock Co., 5608 Race St., $35,495. Grand total $1,103,913. Noted Feb. 10.

Mich., Detroit — CHURCH — Central Woodward Christian Church, N. Bentley, pres. council, 1160 Chicago Blvd., 2 story and basement, 100 x 175 ft., rein.-con., brick and steel, plain foundation, Woodward Ave., to H. G. Christman Co., 315 Stevens Bldg. Archts. est. $500,000. Noted Feb. 10.

Ind., Indianapolis — HIGH SCHOOL — School Comrs., 150 North Meridian St., general contract Shortridge High School, to H. R. Blagg Co., 1229 East 3rd St., Dayton, O., $879,900; electrical work, to Hatfield Electric Co., 102 South Meridian St., $45,556. Noted Jan. 27.

Ill., Evanston — SCHOOL — Catholic Bishop of Chicago, 740 Cass St., Chicago, Ill., general contract 3 story and basement, 176 x 230 ft., brick and stone, Sherman and Austin Sts., here, to W. J. Lynch Co., 844 Rush St., Chicago. Archts. est. $600,000.

Minn., Northfield—GIRLS DORMITORY—Carleton College, c/o D. J. Cowling, pres., general contract 4 and 6 story and basement, rein.-con., brick and stone dormitory, here, to H. N. Leighton Co., 127 South 10th St., Minneapolis. Archts. total est. $225,000. Noted Jan. 6.

Mo., St. Louis—NURSES HOME—G. D. Barnett, archt., 913 Syndicate Trust Bldg., general contract 6 story and basement, 42 x 120 ft., and 33 x 114 ft., rein.-con., brick, terra cotta, and cut stone, Audubon Ave. west of Euclid Ave., to Ratermann Building & Contg. Co., 1943 St. Louis St.; steam heating, etc., to Elliott & Barry Eng. Co., 1426 Olive St.; and plumbing, to L. McNamara, 6236 Delmar Blvd. Noted Jan. 20.

Federal Government Work

Proposed Work

Mass., Weymouth—Dredging—U. S. Engineer Office, Custom House, Boston, plans dredging and improving Weymouth Fore River from Hingham Bay to Quincy.

Md., Annapolis—Deferrization Plant—Spec. 5294—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Dec. 22 deferrization plant, at Marine Barracks, Naval Academy, here. Noted Dec. 30.

Md., Annapolis—Disposal Plant—Spec. 5305—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans sewage disposal system at Naval Academy, here.

D. C., Wash. — Office — Treas. Dept. having plans prepared by York & Sawyer, 100 East 42nd St., New York City, for Dept. Commerce Office Building, Mall & 12th and 14th Sts. $10,000,000. Noted Aug. 5.

D. C., Wash.—Ridge Roll, etc.—Feb. 19 by A. L. Flint, genl. purch. officer, Panama Canal, ridge roll, cable, tile, sewer pipe, pumps, manhole frames and covers, speed reduction units, pipe tapping machine, carbonators, trucks, truck handles, lumber, creosoted Douglas fir timber, etc.

Fla., Jupiter—Radio Towers—Spec. 5298—Bureau Yards & Docks, Navy Dept., Wash., D. C., rejected bids Jan. 19, radio towers at Naval Radio Station, here. Noted Jan. 27.

P. I., Canacao—Quarters—Spec. 5326—Bureau Yards & Docks, Navy Dept., Wash., D. C., plans junior officers' quarters and nurses' quarters, here.

Bids Desired

Mass., Winchester—Post Office—Mar. 7, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here. Noted Dec. 23.

N. Y., Albany—Dredging—Mar. 18, by U. S. Engineer Office, Army Bldg., New York City, dredging in Hudson River, 11 mi. below here; adv. E. N.-R., Feb. 17.

N. Y., Northport—Deep Well—Feb. 23, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., completing deep well at U. S. Veterans Hospital, here. Noted Apr. 8.

N. Y., Northport—Deep Wells—Mar. 1, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., constructing 2 deep wells at U. S. Veterans Hospital, here.

N. J., Lakehurst—Transmitting Station—Spec. 5242—Mar. 9, by Bureau Yards & Docks, Navy Dept., Wash., D. C., moving transmitting station, here.

Pa., Pittsburgh—Gates—Mar. 16, by U. S. Engineer Office, 3 rolling lock gates, for Locks 2 and 29, in Ohio River and for Lock 1, in Muskingum River; adv. E. N.-R. Feb. 17.

Md., Baltimore—Restoring Buildings—Quartermaster 3rd Corps Area, Fort McHenry, taking bids restoring 6 buildings, incl. water, sewer and electric work, removing old buildings, etc., at Star Fort, here.

Md., Edgewood—Dwellings—Apr. 1, by Constructing Quartermaster, Building 81, Edgewood Arsenal, constructing 10 frame dwellings; adv. E. N.-R. Feb. 17. Noted Jan. 20.

Va., Norfolk—Roofing, etc.—Mar. 8, by Treas. Dept. at office Supervising Archt., Wash., D. C., repairs to roofing and new wood promenade deck, etc., East Wing main building, U. S. Marine Hospital, here. J. A. Wetmore, acting superv. archt.; adv. E. N.-R. Feb. 17.

Ky., Louisville—Portland Cement—Feb. 25, by U. S. Engineer Office, 48,000 bbl. portland cement.

Ill., Maywood—Tank and Tower—Mar. 8, by U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., 100,000 gal. steel water tank and tower and Zeolite water softening system, at Edward Hines, Jr. Veterans Hospital, here.

Ill., Mt. Carmel—Post Office—Mar. 16, by Treas. Dept. at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here. J. A. Wetmore, acting superv. archt.

Ill., Scott Field—Magazine—Quartermaster taking bids standard magazine.

Colo., Denver—Turbine, etc.—Mar. 15, at office Bureau Reclamation, 1 hydraulic turbine delivering 3,400 hp. operating at 65 ft. head; 102 in. butterfly valve; 3,000 kva. generator; three 1,000 kva. transformers, etc. for Guernsey Power Plant, North Platte project, Nebraska-Wyoming; adv. E. N.-R. Feb. 17.

Ariz., Globe—Post Office—Mar. 11, by Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here.

Wash., Keyport—Perforating Casing—Spec. 5318—Mar. 16, by Bureau Yards & Docks, Navy Dept., Wash., D. C., perforating casing of Well No. 3, here.

Calif., Presidio (sta. San Francisco)—Generator—Feb. 28, by Constructing Quartermaster, Fort Mason, San Francisco, steam turbine generator and generator panel in power house, at Letterman General Hospital, here.

C. Z., Darien—Water Purification Plant—Spec. 5240—Mar. 16, by Bureau Yards

Federal Government Work (Continued)

& Docks, Navy Dept., Wash., D. C., water purification plant, here. Noted Feb. 10.

Bids Received

N. Y., Fire Island (mail Babylon) — Radio Towers—Spec. 5314—Bureau Yards & Docks, Navy Dept., Wash., D. C., two radio towers at Naval Radio Compass Station, here, from Donnell-Zane Co., Inc., Woolworth Bldg., New York City, $2,258. Noted Jan. 20.

N. Y., New York—Ferry Racks—Dept., at office Supervising Archt., Wash., D. C., repairing ferry racks, Ellis Island, here, from A. N. Spooner & Sons, Pier 11, North River, $25,860.

N. Y., Syracuse—Post Office and Court House—Treas. Dept., at office Supervising Archt., Wash., D. C., Feb. 14, constructing U. S. Post Office and Court house, here, from Eastern Eng. Corp., 186 Joralemon St., Brooklyn, granite $1,098,100, cut cast granite $1,092,100; also mechanical equipment, less elevators, from Standard Eng. Co., 2129 I St. N. W., Wash., D. C., $132,900. Noted Jan. 13 and 20.

Mo., St. Louis—Towboat—U. S. Engineer Office, 428 Customhouse, from C. Ward Eng. Wks., South Side, Charleston, W. Va., one 110 ft. steel hull Diesel electric Boat, with Winton engine $139,900, on gear drive Lombard $136,300, or on chain drive Lombard engine $126,300; from Nashville Bridge Co., foot Shelby Ave., slow speed McIntosh & Seymour Engine $139,800, chain drive Winton engine $13,700, or gear drive Winton engine $136,742. Noted Dec. 9.

Calif., Mare Island — Heating Plant Equipment, etc. — Spec. 5252 — Bureau Yards & Docks, Navy Dept., Wash., D. C., Feb. 9, heating plant equipment and piping at Navy Yard, here, from Newport Contg. & Eng. Co., Newport News, Va., $36,512. Noted Jan. 6.

Contracts Awarded

N. Y., Fort Lafayette—Wharf—Spec. 5313—Bureau Yards & Docks, Navy Dept., Wash., D. C., improvements to wharf at Naval Ammunition Station, here, to Robbins Rupley Co., 50 Church St., New York City, $10,977 (120 days). Noted Jan. 27.

N. Y., New York—Dredging—U. S. Engineer Office, 710 Army Bldg., dredging and rock removal in East River, to Arundel Corp., Knickerbocker Bldg., Baltimore, Md., $979,795. Noted Jan. 27.

N. J., Oceanport—Barracks—Constructing Quartermaster, Fort Monmouth, general contract 4 barracks buildings, to Hughes Foulkrod Co., Commonwealth Bldg., Phila., Pa., $404,000; plumbing, to King Lumber Co., Charlottesville, Va., $32,000; heating, to Monmouth Eng. Co., Asbury Park, $40,243; and electrical work, to Walter Kidde & Co., 40 Cedar St., New York City, N. Y., $8,300. Grand total $484,543. Noted Jan. 6.

O., Dayton—Steam Distributing System—Office Constructing Quartermaster, Wright Field, steam distributing system, at Wright Field, here, to Pagenhardt & Co., 2130 Locust St., Phila., Pa., $23,486.

Minn., Fort Snelling (br. St. Paul)—Tank and Tower—U. S. Veterans Bureau, Arlington Bldg., Wash., D. C., steel water tank and tower, to William Bros. Boiler & Mfg. Co., Nicollet Island, $12,750. Noted Jan. 20.

Neb., Central City—Post Office—Treas. Dept., at office Supervising Archt., Wash., D. C., constructing U. S. Post Office, here, to F. R. Comb Co., 2113 Chicago Ave., Chicago, Ill., $50,295. Noted Dec. 9.

Unclassified

Proposed Work

Grade Crossings—New York—Pub. Serv. Comn., Albany, plans Atkinson or Conklin crossing over Delaware, Lackawanna & Western R.R. tracks ¾ mi. north Bridgewater Station, Oneida Co.; Taylor's Crossing over Rutland R.R. tracks 3 mi. east Madrid, St. Lawrence Co.; Unionville and Phelps Rds. Crossings over Leigh Valley R.R. tracks 1 mi. west Oaks Corners, Ontario Co.; crossing 1.6 mi. west of Manchester Station, over Lehigh Valley R.R. tracks, Ontario Co.; McNaney & Cayuga Lake road crossings over Lehigh Valley R.R. tracks, 2 mi. west Hoyts Corners, Seneca Co.; Phelps-Preemption Rd., Clifton-Oaks Corners Rd. and Phelps Rd. Crossings over Lehigh Valley R.R. tracks in Phelps, Ontario Co.; Suffern and Rockwell crossings over Erie R.R. tracks, Elmira Heights, Chemung Co.; Grand Central and Kingsbury Aves., over Delaware, Lackawanna & Western R.R. tracks, Elmira; Gouverneur Street Crossing, (Brock crossing over New York Central R.R. tracks, town of Canton, St. Lawrence Co.; Genessee St. crossing over New York Central R.R. tracks, near Bowmansville Station, Cheektowaga, Erie Co.; Big Tree Rd. and Buffalo Hamburg Co. Rd. over Erie R.R. tracks near Big Tree Station, Hamburg, Erie Co.; North-Collins-Lawton Rd. Crossing, over Erie R.R. tracks south of North Collins Station, Erie Co.; Carey Rd. crossing over New York Central R.R. tracks near Whitesboro St., Oneida Co.; West Henrietta-Rochester Co. Rd., over New York Central R.R. tracks near Ridgefield Station, Monroe Co.; Bowen, Wood and Rice Rd. crossings over Pennsylvania R.R. tracks south of Elm Station, Erie Co.; Durhamville-Rome Co. Rd. over New York Central R.R. tracks, Rome; Suspension Bridge-Lewiston Co. Rd., (University Crossing) over New York Central R.R. tracks, Lewiston, Niagara Co.; and 3 crossings over Erie R.R. tracks in West Main St., Goshen.

Sand and Gravel Plant, etc.—Pittsburgh, Pa.—See "Buildings Industrial."

Grade Crossing Eliminations, Underpass and Overpass — Bullsgap, Tenn. — State Dept. Hys. & Pub. Wks., Nashville, and Southern R.R. Co., Charlotte, N. C., G. L. Sitton, ch. engr., making plans and surveys 2 grade eliminations, underpass and overpass in Leadville branch, in Hawkins Co., near here. To exceed $25,000. C. N. Bass, highway engr.

Grade Elimination—Columbia, Tenn.—Maury Co., State Dept. Hys. & Pub. Wks., Nashville, and Louisville & Nashville R.R. Co., Louisville, Ky., W. H. Courtenay, ch. engr., making surveys grade elimination on Columbia-Centerville Rd., here. To exceed $25,000. C. N. Bass, highway comr.

Underpass — McMinnville, Tenn. — City, and Nashville, Chattanooga & St. Louis Ry. Co., Nashville, H. McDonald, ch. engr., making plans concrete underpass, here. To exceed $25,000.

Oil Plant—Nashville, Tenn.—City plans rebuilding oil heating plant, incl. heaters, tanks, storage tanks, etc., recently destroyed by fire. Work will probably be done by day labor. $25,000. H. E. Howse, mayor.

Car Barn—Ohio—See "Railways."

Tunnels, etc.—Bowling Green, O.—See "Buildings—Educational, Religious."

Subway—Cleveland, O.—Cities of Cleveland and Lakewood, and New York Central R.R. Co., P. W. Kiefer, ch. engr., had preliminary plans prepared concrete subway, elim.nating grade crossings, on West 117th St., here. $1,000,000. R. Hoffman, City Hall, engr.

Lighting System—Columbus, O.—Made plans standards for boulevard lighting system on Fellis, Richards and Nelson Rds., Haldy, New Avenue, Willshire, Dartmouth and Malvery Aves. $31,920. R. H. Simpson, city engr.

Heating and Ventilating — Indianapolis, Ind.—School Comrs., 150 North Meridian St., rejected bids Jan. 21, heating and ventilating systems for Shortridge High School. Will readvertise.

Storage Tanks—Atchison, Kan.—Pittsburk Flour Mills Co., Atchison, and 302 Metropolitan Life Bldg., Minneapolis, Minn., had plans prepared 86 concrete storage tanks, etc. $250,000. Private plans.

Stadium—Grand Forks, N. D.—Memorial Corp. University of North Dakota, takes bids about May 1, rein.-con., brick and stone stadium, 20,000 seating capacity, on campus. $200,000. W. H. Wheeler, 1112 Metropolitan Life Bldg., Minneapolis, Minn., engr. and archt. Noted Jan. 27.

Heating and Ventilating Systems — Columbia, Mo.—Bd. Educ. takes bids about Apr. 1, heating and ventilating plant for Hickman Senior High School. $60,000. W. B. Ittner, 911 Locust St., St. Louis, engr. Noted Aug. 12 under "Buildings—Educational, Religious."

Dredge Boat—St. Louis, Mo.—Sternberg Dredging Co., 1706 Arcade Bldg., takes bids in April or May, 48 x 130 ft. dredge boat with Diesel engine operating 1 pump; and electrically-driven dredging equipment, for use on Lower Mississippi River. $250,000. A. B. Boyer, 484 Arcade Bldg., archt.

Oil Pipe Line — Oklahoma — Carter Oil Co., Exch. Natl. Bank Bldg., Tulsa, made plans 50 mi. 10 in. oil pipe line from Seminole to Council Hill. $1,000,000. Engineer not announced.

Oil Pipe Line—Oklahoma—Tidal Oil Co., 302 South Cheyenne St., Tulsa, made surveys 27,000 lin.ft. 10 in. oil pipe line from Seminole to owner's tank farm, in Tulsa. $75,000. Engineer not announced.

Transmission Line — Oklahoma — Oklahoma Gas & Electric Co., Insurance Bldg., made preliminary plans 20 mi. 33,000 volt transmission line from McCloud to Newalla and Marion. $60,000. Byllesby Eng. Co., 231 South La Salle St., Chicago, engrs.

Transmission Line—Washington—Puget Sound Power & Light Co., Montesano, plans 8 or 9 mi. light and power line into Wynooche Valley.

Underpass—California—State Hy. Comn., Sacramento, had plans prepared constructing underpass crossing Auburn Blvd. with Southern Pacific R.R. tracks at North Sacramento, Sacramento Co. $125,000. R. M. Morton, Strub Bldg., Sacramento, engr.

Lighting System—San Jose, Calif.—Making plans ornamental lighting system on approximately 10 blocks various streets. $35,000. W. Popp, city engr.

Synchronized Signal Light System — Montreal, Que.—Plans synchronized traffic control signal light system, Sherbrooke St. $30,000.

Twin Tunnels — Montreal, Que.—City Eng. Dept. made plans constructing twin tunnels, at Cote St. Paul Rd. and Wellington St. $4,000,000. City Eng. Dept., engrs.

Concrete Tunnel—Three Rivers, Que.—Making plans 483 ft. concrete tunnel, 30 ft., equipped with automatic pumps, 1,000 g.p.m., $160,000. Z. Lambert, city engr.

Retaining Wall — Quebec, Que.—Plans concrete retaining wall, on Franklin Hill. $25,000. J. A. Tremblay, Quebec, engr.

Electric Sub-station — Toronto, Ont.—Toronto Hydro-Electric System, 225 Yonge St., plans concrete, brick and steel electric sub-station, incl. electrical transformers, switching equipment, meters and switchboards, Laxton Ave. $150,000. Private plans.

Sprinkler System—Toronto, Ont.—Plans sprinkler system, incl. tank, piping, sprinkler system, incl. tank, piping, sprinklers, valve, etc., in City Hall. $35,000. R. C. Harris, City Hall, engr.

Subway—Toronto, Ont.—City plans constructing subway under Canadian Natl. R.R. tracks, on St. Clair Ave. at Caledonia Rd. $250,000-$400,000. R. C. Harris, City Hall, engr.

Wharves, Docks, etc.—Toronto, Ont.—Canada Steamship Lines Ltd., foot of Yonge St., purchased 7½ acre site on Queens Quay and plans rein.-con., brick and steel wharves, docks and warehouses. $1,000,000. Engineer not selected.

Bids Desired

Flooring, etc.,—Massachusetts—Feb. 23, by Dept. Pub. Wks., Boston, reconstructing flooring, etc., 1,042 ft. bridge in Newburyport and Salisbury, for Commonwealth of Massachusetts, Boston. $30,000. W. F. Williams, comr.

Foundation—Boston, Mass.—Mar. 2, by Dept. Pub. Wks., foundation for ferry bridge, North Ferry, East Boston, $25,000; also erecting and installing one electrically operated ferry bridge with gallows frame and accompanying machinery, for North Ferry, East Boston, $50,000 bonds. J. H. Sullivan, comr.

Special Work, etc. — Brooklyn, N. Y. — Feb. 25, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supplying 13 portions special work, for use in construction Coney Island Yard, and Route 8, Sect. 6-D, here.

Fire Alarm System, etc.—Helmuth, N. Y. —Feb. 24, by Dept. Mental Hygiene Capitol, Albany, fire alarm system and automatic fire sprinklers at Gowanda State Homeopathic Hospital, here; adv. E. N.-R. Feb. 17.

Subsurface Structures—New York, N. Y. —Feb. 25, by Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., rerouting subsurface structures at 207th Street Yard, of Rapid Transit R.R.

Heating Work—Utica, N. Y.—Feb. 24, by Commissioner Dept. Mental Hygiene, Capitol, Albany, heating work, repairs to heating system, etc. at Utica State Hospital, here. S. W. Jones, Capitol, Albany, state archt., adv. E. N.-R. Feb. 17.

Subway Equipment—Phila., Pa.—Feb. 23, by H. E. Ehlers, dir. Dept. City Transit, heating system for shop, yard entrance building and compressed air lines for general repair and inspection shops at Fern Rock Terminal Yard; also boilers equal to Babcock and Arlcock, on 25.42 sq.ft. aux. c.i. boiler grate, radial brick stock, etc. for Broad St. Subway, Contr. 129.

Pier — Chicago, Ill. — See "Streets and Roads."

Coal and Ash Handling Machinery—Chicago, Ill.—Feb. 21, by City, City Hall, fabricating, furnishing, delivering, unloading and erecting coal and ash handling machinery with all accessories, at Western Avenue Pumping Station, 49th St. and Western Ave. A. A. Sprague, comr. Pub. Wks. Former bids rejected. Noted Nov. 4.

River Terminal—Dubuque, Ia.—Mar. 11 (extended date), by Secretary Dock Bd., warehouse, loading platform and escalator, for City. $150,000. W. F. Schultz, 870 Shrine Bldg., Memphis, Tenn., engr. Noted Feb. 3.

Pile and Concrete Foundation — Milwaukee, Wis. — Feb. 24, by Bd. Regents

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Unclassified (Continued)

University of Wisconsin, J. D. Phillips, bus. mgr., Madison, pile and concrete foundation for 2 story and basement, 58 x 122 ft., brick and concrete addition, 7th and State Sts., here. $150,000. Van Ryn & DeGelleke, 114 Grand Ave., archts.

Gas Mains—St. Louis, Mo.—See "Contracts Awarded."

Telephone System—St. Louis, Mo.—See "Contracts Awarded."

Transmission Line — Texas — See "Contracts Awarded."

Subway — Houston, Tex. — Feb. 28, by City, subway under Galveston, Harrisburg & San Antonio R.R. tracks, at Avenue S. $30,000. J. C. McVea, city engr.

Land Development, etc.—Mercedes, Tex. —Owner, c/o E. A. Woods, engr., Dallas, taking bids townsite development, incl. waterworks $30,000, sewers $35,000, lights $20,000, boulevards $25,000, at Elsa, near here.

Bids Received

Bulkhead—New York, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., bulkhead at 207th St. Yard, along westerly side Harlem River, from Stillman-Delehanty-Ferris Co., 1 Exchange Pl., Jersey City, $429,273. Noted Feb. 3.

Lighting System—Minneapolis, Minn.— F. S. Gram, city purch. agt., Feb. 1, 743 various length electric light standards, for Bd. Park Comrs., from Acme Electric Co., 1942 West 7th St., St. Paul, $126,296. Noted Jan. 13.

Wharf Barge — St. Paul, Minn. — A. E. Eggert, city purch. agt., Feb. 7, 45 x 214 ft. steel wharf barge, incl. house and pumping equipment, from Marietta Mfg. Co., Mt. Pleasant, W. Va. $57,075. Noted Jan. 27.

Contracts Awarded

Subway—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, installing tracks for part 14th St.-Eastern Line, to McElroy & Kerwin, 87 Joralemon St., $190,390; and constructing duct line at Coney Island Yard, here, to Beaver Eng. & Contg. Co., 51 Chambers St., New York City, $45,165. Noted Feb. 3.

Stock Pens—New York, N. Y.—New York Central R.R. Co., Grand Central Terminal, rein.-con., brick and steel stock pens, West 41st St., to H. H. Sherwin & Co., Inc., Grand Central Terminal. Engrs. est. $300,000.

Foundation—Gary, Ind.—See "Buildings—Commercial under Proposed Work."

Athletic Field—Warrensburg, Mo.—Central Missouri State Teachers College, c/o Committee on Stadium & Athletic Field, grading and draining athletic field, incl. 13,000 cu.yd. excav. and 2,000 ft. 18 in. to 30 in. sewer pipe, to C. L. Johnson, Warrensburg, $10,933. Noted Jan. 27.

Telephone and Telegraph Lines—Kansas and Texas—Kansas, Oklahoma & Gulf Ry. Co., Muskogee, Okla., C. Kaighn, ch. engr., 320 mi. one copper and two wire circuit lines from Baxter Springs, Kan., to Denison, Tex., to C. L. Berger Constr. Co., Braniff Bldg., Oklahoma City, Okla., $98,000. Engrs. est. $100,000.

Oil Gas Pipe Line—Missouri and Illinois — Illinois-Missouri Pipe Line Co., c/o Laclede Gas Light Co., 11th and Olive Sts., St. Louis, Mo., 12 in. oil gas pipe line from Woodriver, Ill., to point on Mississippi River, north of St. Louis Merchants Bridge, and 10 in. lines across Mississippi River connecting with Laclede Gas Light Company's mains, to J. M. Monie, Chemical Bldg., St. Louis, Mo. Engrs. est. $400,000.

Subway—St. Joseph, Mo.—See "Bridges."

Gas Mains — St. Louis, Mo. — Laclede Gas Light Co., 11th and Olive Sts., will install 10 in. mains between west end Merchants Bridge and plants at Main and Mullanphy Sts., and 2nd and Rutger Sts.; also 8 in. mains from 2nd and Rutger Sts. to plant at 526 Catalan St., by day labor. $300,000.

Telephone System — St. Louis, Mo. — Southwestern Bell Telephone Co., 10th and Pine Sts., will replace manual equipment with new dial telephone equipment in Northwest St. Louis, to be served by new exchange at Natural Bridge and Hamilton Aves., $800,000; underground cables in conduits and cable leads throughout district, $360,000; trunk cables, $140,000; and miscellaneous work, $135,000, by own forces.

Transmission Line—Texas—West Texas Utilities Co., San Angelo, will build 90 mi. 66,000 volt transmission line from San Angelo to Texon, by day labor. $315,000. Private plans.

Rock Crushing Plant — Coyote, Calif. — Niles Sand, Gravel & Rock Co., 704 Market St., San Francisco, rock crushing plant, here, to Lindgren-Swinerton, Inc., Standard Oil Bldg., San Francisco, $100,000.

Pier—San Francisco, Calif.—Bd. Harbor Comrs., rein.-con. sub-structure for 125 ft. extensions to Piers 32 and 30, concrete piling, etc., to Healy-Tibbitts Constr. Co., 64 Pine St., $198,200. Noted Feb. 3.

Grain Elevator — Fort William, Ont. — Parrish & Heimbecker, H. O., 614 Grain Exchange, Winnipeg, Man., excav. and pile foundation for rein.-con. addition to grain elevator, here, to Thunder Bay Harbor Impvt. Co., Ltd., Port Arthur, approximately $30,000. Noted Jan. 13.

Wharf—Oshawa, Ont.—General Motors of Canada Ltd., 52 Mary St., general contract concrete and rein.-con. wharf, to W. H. Yates Constr. Co., 17 Main St. E., Hamilton; reinforcing steel, to Burlington Steel Co., Sherman Ave., Hamilton. Engrs. est. $50,000.

Materials

Proposed Work

Cement, Sand, Gravel or Stone—Muskegon, Mich.—Soon takes bids approximately 16,000 bbl. cement, $35,000; 4,000 cu.yd. or 6,000 cu.yd. sand and 8,000 cu.yd. gravel or stone, $24,000. H. J. Lewis, City Hall, engr.

Road Oil—Oshkosh, Wis.—G. H. Randall, city engr., soon takes bids 100,000 gal. road oil, etc.

Cement—Turlock, Calif.—Turlock Irrigation Dist. rejected bids 3,000 bbls. portland cement.

Bids Desired

Spruce Lumber—Boston, Mass.—Feb. 18, by Supply Dept., spruce lumber for Bridge Serv., Pub. Wks. Dept. $5,000. H. S. Frost, c/o Supply Dept., engr.

Stone Ballast—Boston, Mass.—Feb. 23, by Transit Dept., 1 Beacon St., 5,000 tons stone ballast to George St. Yard, Boston Elevated Ry., Somerville; and 5,000 tons for Dorchester Rapid Transit between Dorchester and Crescent Aves. T. F. Sullivan, chn.

Fuel Oil—St. George, N. Y.—Feb. 23, by J. A. Lynch, pres. Richmond Boro, Boro Hall, 40,000 gal. fuel oil.

Aluminum Sulphate, etc.—New Brunswick, N. J. — Feb. 23, by Freeholders Middlesex Co., 200 tons aluminum sulphate and 100 tons hydrated lime; also 2,000 ft. Class "B" bell and spigot 6 in. pipe, castings, etc. A. Atkinson, New Brunswick, engr.

Portland Cement—Phila., Pa.—Feb. 23, by C. E. Walsh, purch. agt. Pennsylvania R.R. Co., 17th and Filbert Sts., portland cement, Contr. 25-1927. A. C. Shand, Broad St. Sta., ch. engr. railroad.

Cable and Wire—Baltimore, Md.—Feb. 23, by Bd. Awards, cable and wire to Fire Dept. P. W. Wilkinson, Gay and Lexington Sts., secy. Bd. Fire Comn.

Bituminous Material — Virginia — See "Streets and Roads."

Limestone Dust Filler—Cincinnati, O.—Feb. 21, by City Purchasing Agent, City Hall, limestone dust filler. C. O. Sherrill, city mgr.

Paving Brick, Asphalt, Crack Filler, Granite, etc.—Cleveland, O.—Mar. 2, by City, A. K. Hoare, comr. Purchases, 5,000,000 paving brick, 7,500 tons asphalt, 200,000 gal. crack filler, 1,000 ft. granite, and 1,000 ft. medina curbing.

Steel Shapes, Brick, Cement, etc.—Cleveland, O.—Austin Co., A. Brennan, purch. agt., 16112 Euclid Ave., will place orders to cover 1927 material requirements, incl. 15,000 tons steel shapes, plates and bars; 20,000 tons fabricated structural steel for buildings; 20,000,000 ft. lumber 2- to 16-in., and 1 in. sheathing and miscellaneous lumber; 30,000,000 brick; 484,000 bbl. portland cement; 93,300 yd. sand; 149,500 yd. aggregate (stone, slag and gravel); 50,000 sq.ft. steel rolling doors; 5,100,000 sq.ft. built-up composition roof waterproofing; 2,000,000 sq.ft. steel sash; 2,000,000 sq.ft. glass; 450,000 sq.ft. maple flooring; 100,000 sq.ft. wood doors; 75,000 gal. paint; 400,000 sq.ft. wood block flooring; 3,000 tons metal roofing and siding; 1,000 tons putty; and 12,000 tons reinforcing.

Wood Block, Slag, Brooms, etc.—Cleveland, O.—Feb. 25, by City, A. K. Hoare, comr. Purchases, 1,500 sq.yd. wood block, 10,000 tons crushed slag, 4,000 push brooms, 2,500 sq.yd. granite block, 2,000 lin.ft. sandstone curbing and 12 oil burning tar kettles.

Portland Cement—Kenosha, Wis.—Feb. 21, by C. M. Osborn, city mgr., 950 bbl. portland cement and 40 tons asphalt.

Road Oil—Marshfield, Wis.—Feb. 28, by J. A. Schindler, city clk., 30,000 gal. road oil.

Lumber, etc.—Milwaukee, Wis.—Feb. 21, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 109,000 ft. creosoted and 89,000 ft. untreated yellow pine, 5,000 ft. untreated spruce fencing, 2,000 ft. untreated white pine lumber, 75,000 ft. untreated tamarack lumber, 104,500 ft. oak lumber, 4,000 sq.yd. 3.5 in. creosoted wood blocks, 3,000 manhole steps, 600 manhole covers and lids, also 2,000 frames and grates.

Portland Cement — Milwaukee, Wis. — Feb. 21, by Central Bd. Purchases, J. W. Nicholson, ch. buyer, 20,000 bbl. portland cement; also metal street signs, $5,000-$7,000. Noted Feb. 10.

Lumber, etc.—Bedford, Ia.—Mar. 3, at office Auditor Taylor Co., 4 cars standard sawed fir bridge plank, 2 cars red cedar piling, 1 car corrugated culvert pipe, 500 ft. concrete pipe, 50,000 lb. reinforcing, etc. H. A. Little, Bedford, co. engr.

Culvert Pipe—Council Bluffs, Ia.—Feb. 25, at office Maintenance Com., Room 302, Wickham Bl., 842 ft. 18- to 36-in. culvert pipe.

Culvert Pipe and Lumber — Davenport, Ia.—Feb. 21, at office Auditor Scott Co., 4,000 ft. corrugated culvert pipe and 110,000 ft. lumber. J. M. Malloy, Davenport co. engr.

Culvert Pipe—Decorah, Ia.—Feb. 23, at office Auditor Winnesheik Co., 2,568 ft. corrugated culvert pipe. F. W. Arneson, co. engr.

Supplies—Hamilton, Ont.—Feb. 28, by S. H. Kent, city clk., City Hall, asphalt cement broken stone and screenings, limestone dust, asphalt sand, sand and gravel, etc.; adv. E. N.-R. Feb. 17.

Bids Received

Ties—Brooklyn, N. Y.—Bd. Transportation, J. H. Delaney, chn., 49 Lafayette St., New York City, supply of untreated ties for use in construction part Coney Island yard, for Culver Line, here, from A. R. Sax Lumber Co., 166 West 32nd St., New York City, $16,414. Noted Feb. 3.

Broken Stone, etc.—Long Island City, N. Y.—M. E. Connolly, pres. Queens Boro, Queens Subway Bldg., Feb. 7, 30,000 cu.yd. broken stone, from Peace Bros., Inc., 57 North Lawrence St., Flushing, $81,300; and 500 net tons lime, from Terminal Supply Co., 250 Park Ave., New York City, $8,185. Noted Feb. 3.

Tar, etc.—New York, N. Y.—H. Bruckner, pres. Bronx Boro, Crotona Park, 3rd and Tremont Aves., Feb. 9, 300,000 gal. tar, for cold application and 150,000 gal. tar, hot application, from Barrett Co., 40 Rector St., $31,350 and $23,100 respectively; 850,000 gal. asphalt road oil, from Texas Co., 17 Battery Pl., $60,010; 3,500 cu.yd. macadam stone and 25,000 tons steam cinders from Highbridge Supply Co., Harlem River and 169th St., $27,450 and $25,750 respectively; 1,500 cu.yd. paving sand, from J. Tino & Son, 18th St. and East River, $2,250; 5,000 bags portland cement from J. A. McCarthy, 551 Exterior St., $3,224; 9,000 cu.yd. sand grit, from Lenox Sand & Gravel Co., Harlem River and 157th St., $13,050; 1,000 tons asphaltic cement, from Warner Quinlan Co., 26 Beaver St., $23,800; 75 tons pitch joint filler, from F. J. Lewis Mfg. Co., 300 Doremus Ave., Newark, N. J., $1,875; 7,500 cu.yd. binder stone, and 900 tons inorganic dust, from New York Trap Rock Co., 250 Park Ave., $15,750 and $6,165 respectively; 9,000 cu.yd. asphalt sand, from Ames & Carrol Co., 3457 Kingsbridge Rd., $9,000. Noted Feb. 3.

Steel—Los Angeles, Calif.—See "Buildings—Commercial."

Cement and Valves—Turlock, Calif.—A. Sorenson, secy. Turlock & Modesto Irrigation Dists., 3,000 bbl. portland cement, f.o.b. Hickman, from Cowell Lime & Cement Co., 2 Market St., San Francisco, at $2.89 per bbl.; also two 84 in. diam. pivot type valves, and approximately 75,000 lb. machine finished steel castings with bronze mountings, f.o.b. Hickman, from Joshua Hendy Iron Wks., 75 Fremont St., San Francisco, $13,440, all above to be used in connection with Don Pedro House project. Noted Jan. 20.

Contracts Awarded

Paving Brick and Cement—Detroit, Mich.—Comr. Purchases & Supplies, Marquette Bldg., 300,000 bbls. portland cement in cloth or paper sacks, to Huron Portland Cement Co., Ford Bldg., at $2.35 in cloth and $2.10 in paper at Riopelle Plant, and $2.10 in cloth and $1.85 paper at Wyandotte Plant; also 20,000 repressed paving brick f.o.b. Detroit, to F. B. Stevens, 3rd and Larned St., $1.54 per sq.yd., total $30,800.

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See proposal advertising on page 148

Engineering News-Record Unit Prices

PAVING—SEATTLE, WASH.

Bids were opened by City, Jan. 21, for paving North 78th St., et al., from (A) Fiorito Bros., 3050 6th St., N. W. (awarded contract); (B) Moceri Bros., 924 23rd Ave.; (C) Odman Construction Co., 2534 33rd St., So.; (D) McHugh & Coluccio; (E) Goetz & Brennan. The unit bids are as follows:

	A	B	C	D	E
Clearing (lump sum)	$1,000.00	$2,400.00	$2,250.00	$3,000.00	$1,500.00
7,500 cu.yd. subgrading	.45	.50	.50	.55	.60
18,000 lin.ft. grading park	.05	.04	.04	.04	.05
1,460 lin.ft. armored curb	.50	.46	.50	.50	.50
18,060 lin.ft. intergraded curb	.25	.23	.25	.25	.30
29,925 sq.yd. 1 in. concrete paving	1.55	1.54	1.55	1.55	1.58
5 sq.yd. parkway paving	4.00	4.00	3.00	3.50	5.00
5 sq.yd. parkway paving	5.00	5.00	4.00	5.00	5.00
5 in. concrete base	1.50	1.00	1.75	1.75	2.00
215 sq.yd. concrete crossing	1.55	1.75	1.60	1.75	1.50
750 sq.yd. concrete crossing	1.60	1.75	1.60	1.60	1.50
160 sq.yd. concrete walks	1.40	2.00	1.50	1.50	2.00
500 lb. reinforcing steel	.10	.10	.08	.05	.10
1,200 lin.ft. walk drains	.18	.30	.20	.15	.15
11 movable catch basins	30.00	40.00	70.00	40.00	50.00
10 catchbasin inlets	10.00	10.00	10.00	7.50	9.00
20 movable inlets	6.00	6.00	8.00	4.00	5.00
36 adjustable inlets	5.00	3.00	5.00	3.00	5.00
51 adjustable manholes	2.00	3.00	3.00	3.00	3.00
5 lin.ft. reb. manholes	5.00	5.00	5.00	4.00	3.00
650 lin.ft. reb. side sewer	1.00	1.50	1.50	1.75	1.50
8 manhole cases	11.00	12.00	11.00	12.00	10.00
3 brick v. chorubers	45.00	40.00	50.00	45.00	40.00
56 yd. extra excavation	2.00	5.00	1.00	1.50	1.00
4,505 lin.ft. 8 in. S.C. pipe "B"	1.80	1.56	1.75	1.75	1.70
510 lin.ft. 8 in. S.C. pipe "C"	1.90	1.66	1.85	1.85	1.80
5,015 lin.ft. 8 in. C.C. pipe	1.70	1.56	1.70	1.70	1.60
3 hyd. 6 in. connections	120.00	115.00	125.00	120.00	125.00
14 hyd. reconnections	.15	.15	.10	.20	.15
75 lin.ft. 6 in. S.C. pipe "B"	1.60	1.30	1.50	1.60	1.50
15 lin.ft. 6 in. S.C. pipe "C"	1.65	1.30	1.60	1.60	1.50
90 lin.ft. 6 in. C.C. pipe	1.65	1.30	1.60	1.60	1.50
350 lin.ft. hyd. drain	.40	.40	.50	.40	.40
10 hyd. drain basis	10.00	8.00	10.00	7.50	10.00
300 lb. s. rods	.15	.15	.15	.15	.15
2 cu.yd. concrete block	10.00	8.00	8.00	10.00	8.00
Extended totals sand cast pipe	$81,372	$81,468	$83,107	$83,923	$84,483
Extended totals centrifugal cast pipe	$80,810	$81,417	$82,804	$83,618	.....

BRIDGE—VIRGINIA

Bids were opened by State Highway Commission, Richmond, Jan. 25, (lowest three) for constructing bridge over South Anna River on Route 39, Project S-312, Hanover Co., from (A) E. T. Gresham Co., Inc., Norfolk (awarded contract); (B) Woolfolk & DeJarnette, Princeton, W. Va.; (C) C. S. Luck & Sons, Inc., Richmond. The unit bids are as follows:

	A	B	C
Superstructure			
152.4 cu.yd. class "A" concrete	$24.00	$23.00	$30.00
32,660 lb. reinf. steel	.055	.06	.06
Structural steel in place (lump sum)	6,020.00	6,250.00	6,150.00
Substructure			
192.8 cu.yd. class "A" concrete	29.00	31.00	30.00
8,740 lb. reinf. steel	.055	.06	.06
133.5 cu.yd. dry excavation	1.25	1.00	.75
209.6 cu.yd. wet excavation	6.00	4.00	3.00
Extended totals	$20,867	$21,107	$21,691

ROAD WORK—DELAWARE

Bids were opened by State Highway Commission, Dover, Feb. 2, for improving 0.633 mi. road from Rogers Corners, Contract 76, from (A) Petrillo & Co., Wilmington (awarded contract); (B) D. E. O'Connell & Sons, Ridley Park, Pa.; (C) George & Lynch, Dover; (D) B. Foster Co., Phila.; (E) A. H. McDowell, Elsmere; R. H. Johnson Co., Wilmington, $34,972. The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
1,500 cu.yd. excavation	$1.10	$1.25	$0.90	$0.88	$1.00
3,000 cu.yd. borrow	.75	1.00	1.00	1.32	1.00
450 ton br. stone base	4.00	4.50	4.50	3.86	3.75
1,300 cu.yd. concrete pavement	13.50	13.00	14.00	13.98	15.85
400 lin.ft. transverse exp. jt.	.18	.20	.20	.26	.17
600 ton amiesite	13.50	13.00	14.00	13.84	13.75
10 cu.yd. Class "A" concrete	26.00	30.00	30.00	26.00	28.00
100 lb. reinforcement	.08	.08	.10	.08	.10
56 lin.ft. 24 in. corr. Metal pipe	4.75	3.00	3.00	3.50	3.50
Extended totals	$31,956	$32,156	$33,533	$34,063	$35,596

SEWER—AKRON, OHIO

Bids were opened by W. P. Peters, Dir. Pub. Serv., Jan. 13, (lowest four and highest) for constructing sewer in Brittain Rd., Ford, Flint, Marks and Shaw Aves., from (A) T. E. McShaffrey Construction Co., 173 South Forge St. (awarded contract); (B) A. Biasella & Sons; (C) M. H. O'Toole; (D) C. Lombardi & Son; (E) McAlonan Bros. The unit bids are as follows:

	A	B	C	D	E
7,625 lin.ft. 8 in. vit. pipe sewer	$1.75	$2.00	$1.82	$1.55	$2.00
2,830 lin.ft. 12 in. vit. pipe sewer	2.75	2.50	2.72	2.10	3.00
275 lin.ft. 15 in. vit. pipe sewer	3.00	3.00	3.40	3.40	3.00
230 lin.ft. 30 in. brick sewer	18.00	14.00	19.50	38.00	30.00
36 manholes (std.) on pipe sewer	100.00	90.00	92.00	95.00	100.00
3 manholes (drop) on pipe sewer	200.00	150.00	165.00	175.00	200.00
2 T. or Y. branches on 8 in. pipe sewer	1.00	1.00	1.00	1.00	2.00
2 T. or Y. branches on 12 in. pipe sewer	2.00	1.50	2.00	2.00	2.00
2 T. or Y. branches on 15 in. pipe sewer	2.00	2.50	3.00	3.00	2.00
2 6 in. stubs or slants	1.00	1.00	1.00	1.00	2.00
5 8 in. stubs or slants	1.00	2.00	1.00	2.00	2.00
375 6 in. vit. pipe ho. laterals	20.00	25.00	22.50	25.00	25.00
230 lin.ft. 8 in. underdrain	.20	.50	1.60	.10	1.00
100 cu.yd. gravel refill	2.50	2.50	4.00	3.00	3.00
90 M.B.M. sheeting left in place	30.00	35.00	35.00	35.00	40.00
5 cu.yd. special excavation	2.00	1.50	2.00	2.00	3.00
300 lb. reinforcing steel	.05	.05	.06	.06	.10
5 cu.yd. concrete masonry, class 1	12.00	15.00	18.00	20.00	20.00
70 cu.yd. concrete masonry, class 3	9.00	8.00	12.00	10.00	12.00
Cost of sewer	41,519	43,639	44,134	45,081	50,181
Cost of eng., inspection, etc.	2,038	2,038	2,038	2,038	2,038
Extended totals	$43,557	$45,667	$46,172	$47,119	$52,219

PAVING—BOSTON, MASS.

Bids were opened by City, Nov. 12, (lowest three) for paving Gordon and other streets, from (A) S. J. Tomasello, 11 Cushing Terrace, (awarded contract); (B) M. DeMatteo, 14 Rowe Pl.; (C) H. F. Malley, 96 Tyndale St. The unit bids are as follows:

	A	B	C
Removing trees, etc., (lump sum)	$500.00	$300.00	$450.00
4,940 cu.yd. excavation	1.25	.90	1.30
306 cu.yd. rock excavation	1.25	3.00	4.00
6,000 cu.yd. filling	.55	1.00	1.00
50 tons crushed stone furnished and placed	3.00	1.00	2.25
6,248 lin.ft. straight edgestone, set	.22	.25	.22
604 lin.ft. circular edgestone, set	.30	.25	.25
170 lin.ft. edgestone, reset	.40	.25	.22
595 lin.ft. edgestone (special foundation)	.20	.25	.15
10 sq.yd. granite blocks with gravel joints (relaid)	1.25	.75	1.00
30 sq.yd. granite blocks with grout joints (hauled and laid including 6 in. con.)	3.00	3.00	2.55
39 sq.yd. granite blocks with grout joints (relaid)	3.00	3.00	2.35
13,116 sq.yd. sheet asphalt on 6 in. con.	3.25	3.15	3.30
520 sq.yd. sheet asphalt on 6 in. macadam	2.10	2.25	2.10
13,116 sq.yd. bitulithic on 6 in. con.	3.30	3.25	3.35
520 sq.yd. bitulithic on 6 in. macadam	2.15	2.30	2.10
46,740 sq.ft. artificial stone foundation	.01	.01	.01
44,496 sq.ft. artificial stone sidewalk	.20	.235	.23
2,244 sq.ft. artificial stone driveways	.85	1.00	.35
Wages for laborers, per hour	P.R.	.65	.65
10 cu.yd. loam furnished	3.00	3.00	3.75
52 sq.yd. loam, graded and seeded	.30	.25	.35
Extended totals sheet asphalt	$67,508	$69,529	$71,956
Extended totals bitulithic	68,190	70,867	72,612

ROAD WORK—SACRAMENTO

Bids were opened by Commissioners of Sacramento Co., for constructing road from Rio Vista Bridge to Antioch Bridge, from (A) Kaiser Paving Co., Latham Sq. Bldg., Oakland; (B) C. W. Wood, Manteca; (C) O. U. Miracle, San Diego; (D) Granite Construction Co., Watsonville; (E) Hall-Johnson Co., Los Angeles; California Construction Co., San Francisco, $368,148. The unit bids of the lowest four and highest bidders are as follows:

	A	B	C	D	E
658,800 sq.ft. "A" vibrolithic conc. 9, 6, 9 in.	$0.32	$0.33	$0.346	$0.34	$0.35
216,000 sq.ft. "A" vibrolithic conc. 10, 7, 10 in.	.366	.36	.39	.38	.385
153,000 sq.ft. asph. macadam surface	.053	.08	.11	.10	.11
5,668 yds. excavation (includ. sub. grade)	.50	.50	.80	.90	.85
7,215 yds. embankment (includ. sub. grade)	.75	.50	1.00	1.25	1.05
874,800 sq.ft. shape and place additional material on subgrade to obtain true cross section, for concrete pavement	.018	.01	.024	.03	.03
153,000 sq.ft. shape for asphalt-macadam	.011	.01	.02	.025	.025
Per lb. bar reinforcing, no quantity	.06	.06	.08	.10	.10
Per sq.yd. of mesh reinforcement in place (48 lb. to the 100 ft.)	.30	.28	.30	.35	.34
Extended totals	$323,655	$324,123	$364,819	$365,560	$373,032

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ROAD WORK—FLORIDA

Bids were opened by State Road Department, Tallahassee, Jan. 26, for constructing 8.93 mi. road between Ft. Pierce and Martin County line, Project No. 693, St. Lucie Co., from (A) Johnson, Drake & Piper, Miami Beach (awarded contract); (B) Nelson Bros., Clearwater; (C) Morgan-Hill Paving Co., Miami; (D) Deen, Yarborough & Ebersbach Construction Co., Bradentown. The unit bids are as follows:

	A	B	C	D
97,313 sq.yd. broken stone base No. 2			$1.49	$1.77
200 ton extra rock	$4.00	$4.00	3.50	4.00
92,198 sq.yd. bituminous macadam			1.01	
230,498 gal. bituminous material N.A.3			.20	
230,498 gal. bituminous material O.A.3			.15	
230,498 gal. bituminous material T.P.5			1.00	
230,498 gal. bituminous material T.P.6				
92,198 sq.yd. bituminous conc. Topeka type			1.41	1.40
92,198 sq.yd. bituminous conc. warrenite			1.70	
92,198 sq.yd. sheet asphalt			1.41	1.35
92,198 sq.yd. plain cement concrete pav't	2.99	2.80		3.03
6,900 lin.ft. combination curb and gutter	1.15	1.15	.90	1.10
1,156 lin.ft. woven wire guard rail	.75	.65	.60	.60
Bituminous macadam surface			$281,789	
Bituminous concrete surface Topeka type			281,789	$309,414
Bituminous concrete surface warrenite			308,526	
Sheet asphalt surface			281,789	304,804
Plain cement concrete surface	$284,239	$266,605		287,453

SEWER—DETRIOT, MICH.

Bids were opened by Department of Public Works, Dec. 29, for constructing West End Ave. storm sewer, from (A) Nash Bros., 120 East Baldwin St., (awarded contract); (B) Lennane & McIlvenna. The unit bids are as follows:

	A	B
3,880 ft. 11 ft. concrete cyl. tunnel	$149.00	$180.00
223 ft. 11 ft. rein. con. cyl. tunnel	169.00	180.00
500 ft. 11 ft. open cut cyl. concrete	135.00	100.00
Junction chamber	380.00	6,000.00
75 ft. 2 bbl. section 7 ft. 9 in. cyls	455.00	250.00
108 ft. piling	138.50	100.00
40x63 in. connection	40.00	50.00
260 ft. 24 in. crock connection	30.00	15.00
6 ft. 6 in. cyl. connection	700.00	300.00
7 drop manholes	450.00	300.00
6 standard manholes	300.00	150.00
Extended totals	$758,212	$834,530

ROAD WORK—ARIZONA

Bids were opened by State Highway Commission, Jan. 3, for constructing Bisbee-Douglas Highway, Federal Aid Project No. 79-C, from (A) Laiblin & Hooker, Palo Verde, (awarded contract); (B) W. E. Barnett, Box 2221, Bisbee. The unit bids are as follows:

	A	B
1,696 cu.yd. excav. roadway (unclass)	$2.00	$1.70
6,486 cu.yd. excav. borrow (unclass)	.80	.70
575 cu.yd. excav. structures (unclass)	2.00	3.75
245 cu.yd. excav. ditches and channels (unclass)	2.00	2.00
211 cu.yd. class "A" conc. (S. F. C.)	25.00	27.00
112 cu.yd. class "B" conc. (S. F. C.)	25.00	26.00
30 lin.ft. 18 in. C.M.P. (haul and place) (S.F.M.)	3.00	1.00
30 lin.ft. 24 in. C.M.P. (haul and place) (S.F.M.)	3.00	1.00
30 lin.ft. 30 in. C.M.P. (haul and place) (S.F.M.)	3.00	1.00
24 lin.ft. 36 in. C.M.P. (haul and place) (S.F.M.)	3.00	1.00
6 lin.ft. 42 in. C.M.P. (haul and place) (S.F.M.)	4.00	1.00
66 lin.ft. 48 in. C.M.P. (haul and place) (S.F.M.)	4.00	1.00
16,014 lb. rein. steel (haul, place, bend) (S. F. S.)	.02	.035
Sub-total	$19,246	$19,425
State furnished material	14,025	14,025
Sub-total	$33,272	$33,451
10 per cent engr. and contgs	3,327	3,345
Extended grand totals	$36,599	$36,796

ROAD WORK—VIRGINIA

Bids were opened by State Highway Commission, Richmond, Jan. 25, (lowest three) for grading and draining 5.825 mi. Route 12, Project S-410- A&C, Grayson Co., from (A) Norton Construction Co., Norton (awarded contract); (B) Chandler Bros., Virgilina; (C) Young & St. Martin, Gate City. The unit bids are as follows:

	A	B	C
8 acres clearing and grubbing	$35.00	$60.00	$50.00
118,474 cu.yd. reg. excavation	.44	.46	.49
1,065 lin.ft. 15 in. pipe	1.70*	2.00*	1.40†
923 lin.ft. 18 in. pipe	2.25	2.50	1.90
620 lin.ft. 24 in. pipe	3.50	4.00	2.40
419 cu.yd. concrete class "A"	20.00	23.00	22.00
93 cu.yd. concrete class "B"	19.00	18.00	21.00
39,942 lb. metal reinforcement	.06	.06	.055
142 concrete right of way monuments	1.50	2.75	1.50
Extended totals	$78,345	$83,593	$84,442

*Concrete pipe †Class of pipe not indicated

SEWAGE TREATMENT WORKS—CHICAGO, ILL.

Bids were opened by Sanitary District, Jan. 20, for constructing West Side Sewage Treatment Works, Division C, from (A) T. J. Forschner Contracting Co., 3153 Bryn Mawr Ave., (awarded contract); (B) Mid-Continent Construction Co.; (C) John Griffiths & Son Co.; (D) Underground Construction Co. The unit bids are as follows:

	A	B	C	D
4,000 cu.yd. removal of black soil	$0.90	$1.30	$0.95	$0.70
Earth excavation for pumping station, including timbering (lump sum)	270,000.00	324,000.00	330,000.00	470,000.00
100 cu.yd. additional earth excavation for pumping station, as ordered	3.00	3.00	3.00	3.00
5 cu.yd. rock excavation	5.00	5.00	5.00	5.00
100 cu.yd. sand or gravel filling	4.00	4.00	4.00	4.00
17,000 cu.yd. concrete in pumping station	25.00	31.00	30.00	27.50
100 bbl. additional cement, as ordered	3.00	3.00	3.00	3.00
3,000 sq.yd. water proofing	1.50	1.50	1.25	1.00
1,400,000 lb. reinforcement steel	1.05	1.06	1.06	1.05
360 lin.ft. sewer, in tunnel, 17 ft. 6 in. int. width	345.00	425.00	550.00	380.00
85 lin.ft. sewer, in tunnel, 8 ft. int. width	100.00	125.00	150.00	110.00
Junction chamber (lump sum)	2,800.00	3,000.00	2,750.00	2,200.00
Connection chamber (lump sum)	3,600.00	3,500.00	2,750.00	3,500.00
Connection to So. 52nd Ave. sewer (lump sum)	8,000.00	12,000.00	8,750.00	8,000.00
Railroad crossing (lump sum)	1,000.00	2,000.00	5,000.00	10,000.00
10 cu.yd. additional earth excavation in tunnel, as ordered	5.00	5.00	5.00	5.00
10 cu.yd. additional concrete in tunnel, as ordered	17.00	17.00	17.00	17.00
28,000 lb. misc. wrought-iron and steel	.15	.18	.10	.15
200,000 lb. misc. iron castings incl. special shapes	.20	.20	.15	.12
25,000 lb. cast-iron pipe	.09	.12	.10	.08
4,000 lb. cast-iron pipe specials	.17	.20	.18	.15
25,000 lb. cast-iron soil pipe	.12	.12	.15	.10
36,000 lb. rail steel, furnished and installed	.08	.10	.10	.08
1,100 lb. chemical lead pipe	.50	.50	.65	.25
45,000 lin.ft. galvanized electric conduit, ¾ in.	.44	.50	.50	.44
40,000 lin.ft. galvanized electric conduit, 1 in.	.46	.55	.52	.46
36,000 lin.ft. galvanized electric conduit, 1¼ in.	.70	.65	.75	.70
30,000 lin.ft. galvanized electric conduit, 1½ in.	.92	1.00	1.10	.92
39,000 lin.ft. galvanized electric conduit, 2 in.	1.18	1.25	1.30	1.18
11,000 lin.ft. galvanized electric conduit, 2½ in.	1.70	1.60	2.00	1.70
10,000 lin.ft. galvanized electric conduit, 3 in.	2.50	2.25	2.50	2.50
5,000 lin.ft. galvanized electric conduit, 3½ in.	2.90	2.75	3.25	2.90
5,000 lin.ft. galvanized electric conduit, 4 in.	3.60	3.75	4.25	3.60
2,000 lin.ft. galvanized electric conduit, 5 in.	4.95	5.00	5.25	4.95
1,500 lin.ft. galvanized electric conduit, 6 in.	6.00	7.00	7.25	6.00
35,000 lb. miscellaneous wrought-iron and steel for electrical work	.21	.18	.20	.21
13,000 lb. miscellaneous iron castings for electrical work	.18	.20	.15	.18
19,200 lb. pull boxes	.65	.50	.80	.65
8,000 lin.ft. fibre electric conduit, 1½ in.	.35	.32	.25	.35
5,000 lin.ft. 300,000 C.M. bare stranded copper wire	.40	.50	.45	.40
Furnishing, delivering and erecting electrical equipment (lump sum)	259,000.00	263,000.00	248,000.00	271,000.00
Extended totals	$1,494,095	$1,712,370	$1,743,315	$1,750,940